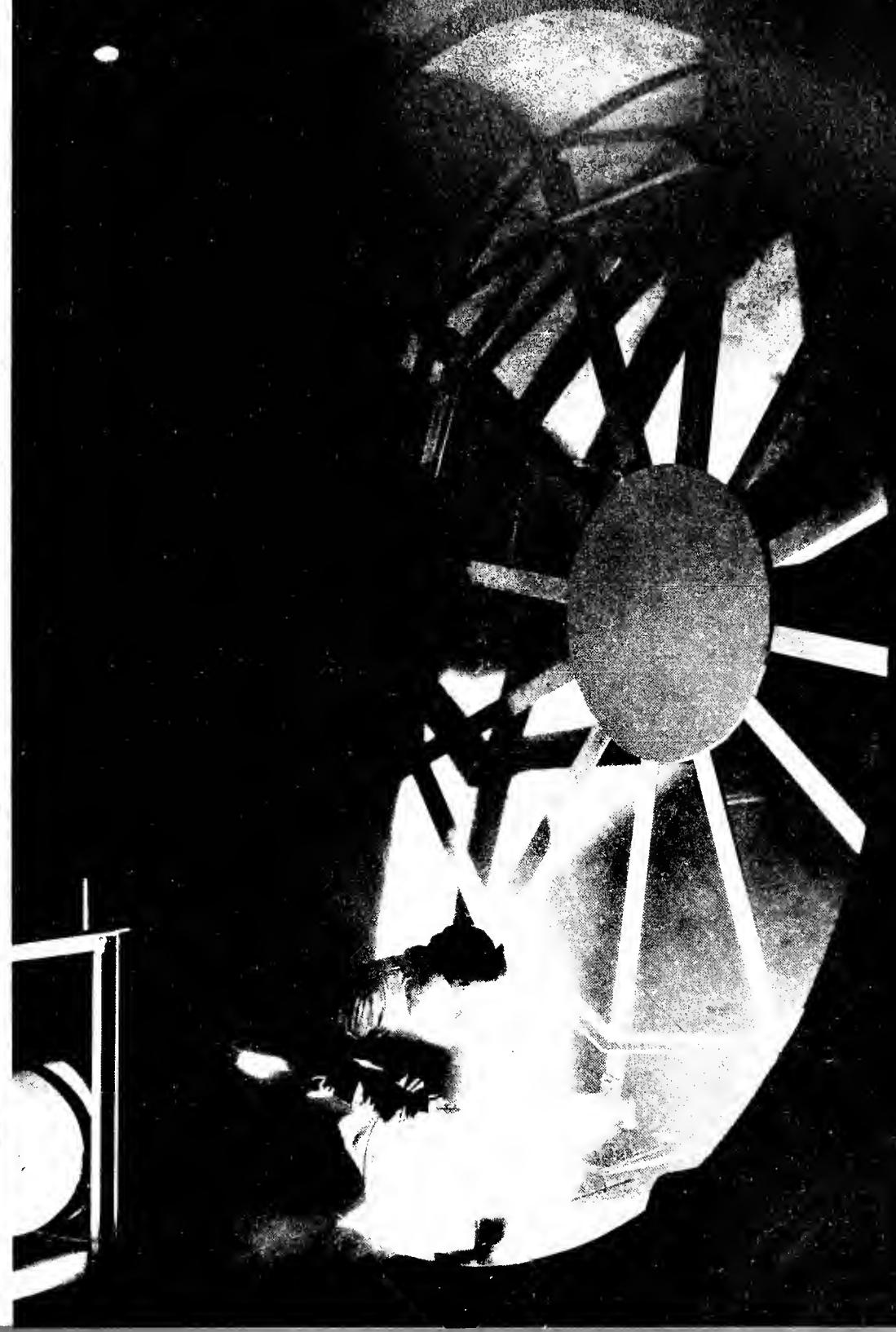
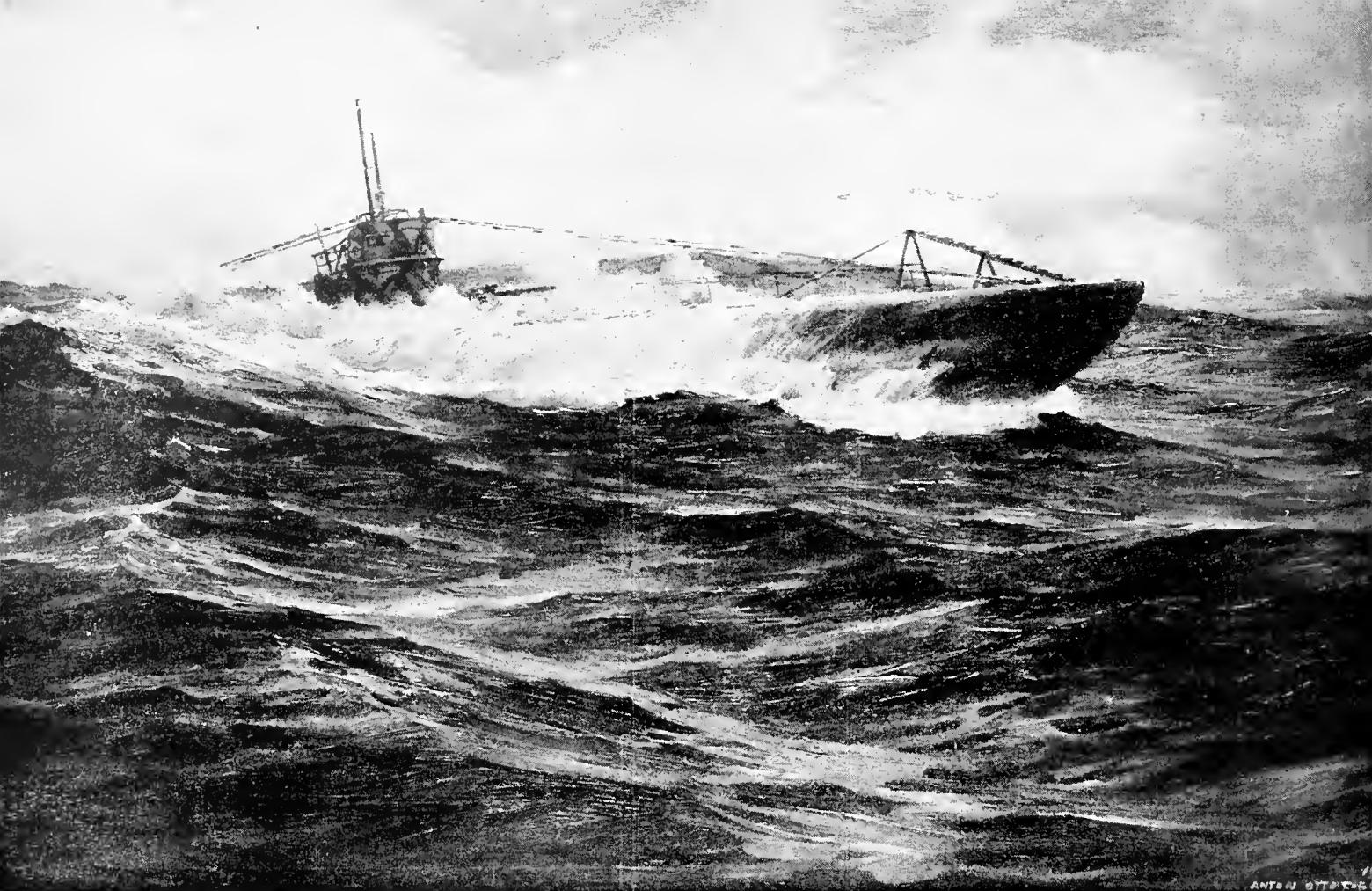


April
1942



Welding Research (see page 5)

LEHIGH *Alumni* BULLETIN



It Takes a Lot of STEEL TO LICK THIS MENACE

Enemy submarine . . . sinister symbol of evil—lurking in the half-light of its watery lair.

Vicious rattlesnake of steel, that only *better steels, in vastly larger quantities*, can lick.

Better steels and *more steels* for battleships, cruisers, destroyers, torpedo boats, airplanes, guns and ammunition.

Better steels and *more steels* for every type of wartime armament . . . in the water, on land, and in the air.

Finer, stronger, tougher steels *must* be produced in tremendous volume—now. Working together we can do it. *But we've got to hurry.*

Every steel plant in America has accepted the challenge. Republic for instance has increased electric furnace

capacity by more than 700 per cent in order to produce more of the fine alloy and stainless steels so badly needed.

Republic too is operating at top

speed the *largest exclusive light armor plate plant in the country*—and is adding new blast furnaces to increase the supply of vital pig iron.

But all of us at Republic know that we are no longer working just for ourselves or for our company. We are working for all of the one hundred and thirty million people of this country—people whose lives and liberties we are helping to defend.

We are working to guard our shores and our homes from the deadly onslaughts of powerful and treacherous enemies.

Nearly 2,000 Republic men, already in the nation's armed forces, are working to end this war—speedily—conclusively.

And 71,000 other Republic men in 65 plants and mines are working day and night, doing everything humanly possible to *make more steel*—to swell the mighty stream of "PRODUCTION FOR VICTORY."

REPUBLIC STEEL

General Offices: Cleveland, Ohio



ALLOY and CARBON STEELS • STAINLESS STEEL • PLATES
BARS and SHAPES • STRIP • SHEETS • PIPE and TUBING

TIN PLATE • NUTS • BOLTS • RIVETS • NAILS • PIG IRON
FARM FENCE • WIRE • FABRICATED STEEL PRODUCTS

TIPS FROM THE TOWER

FIVE years after he graduated from Lehigh, Daniel M. Flick, '11 entered the employ of Armour and Company as superintendent of the Glycerine and Soap Works. Last month this same



DANIEL M. FLICK, '11
'new honors for gentleman farmer'

Daniel Flick was named Vice-President and General Manager in charge of production and sales of all auxiliary plants operated by Armour. Socially prominent, the new Vice-President still finds time to maintain a stable of racing horses and a 400 acre dairy farm near Kalamazoo, Mich., where he resides with his family as a gentleman farmer.

A FOUR day "huddle" of the nation's ranking football officials—members of the National Collegiate Athletic Association Football Rules Committee, held at Phoenix, Arizona, last month—found Lehigh's Walter R. Okeson, '95, "calling signals" as chairman of the group which pursued a hands-off policy in regard to new statutes, wrote no new edicts, but did un-

he said, ". . . plan ahead while you have time. Do not wait until the emergency is on you because you cannot plan intelligently when you are under fire or under pressure."



PAUL B. REINHOLD, '13

"the one message . . . plan ahead"

ravel a kink when the double offside penalty was abolished. Arriving early, Okeson headed for the beautiful Phoenix Country Club for a golf session with Lou Little, coach of the Columbia University eleven, and Wilmer Crowell, president of the Eastern Officials Association.

WHEN people get around to discussing superhighways, the name of Paul B. Reinhold, '13, is liable to play an important role. First vice-president of the American Road Builders' Assn., and President of the Atlas (Roadbuilding) Equipment Corp., Reinhold has recently been named Chairman of the Express Highway Committee of the Pittsburgh Chamber of Commerce.

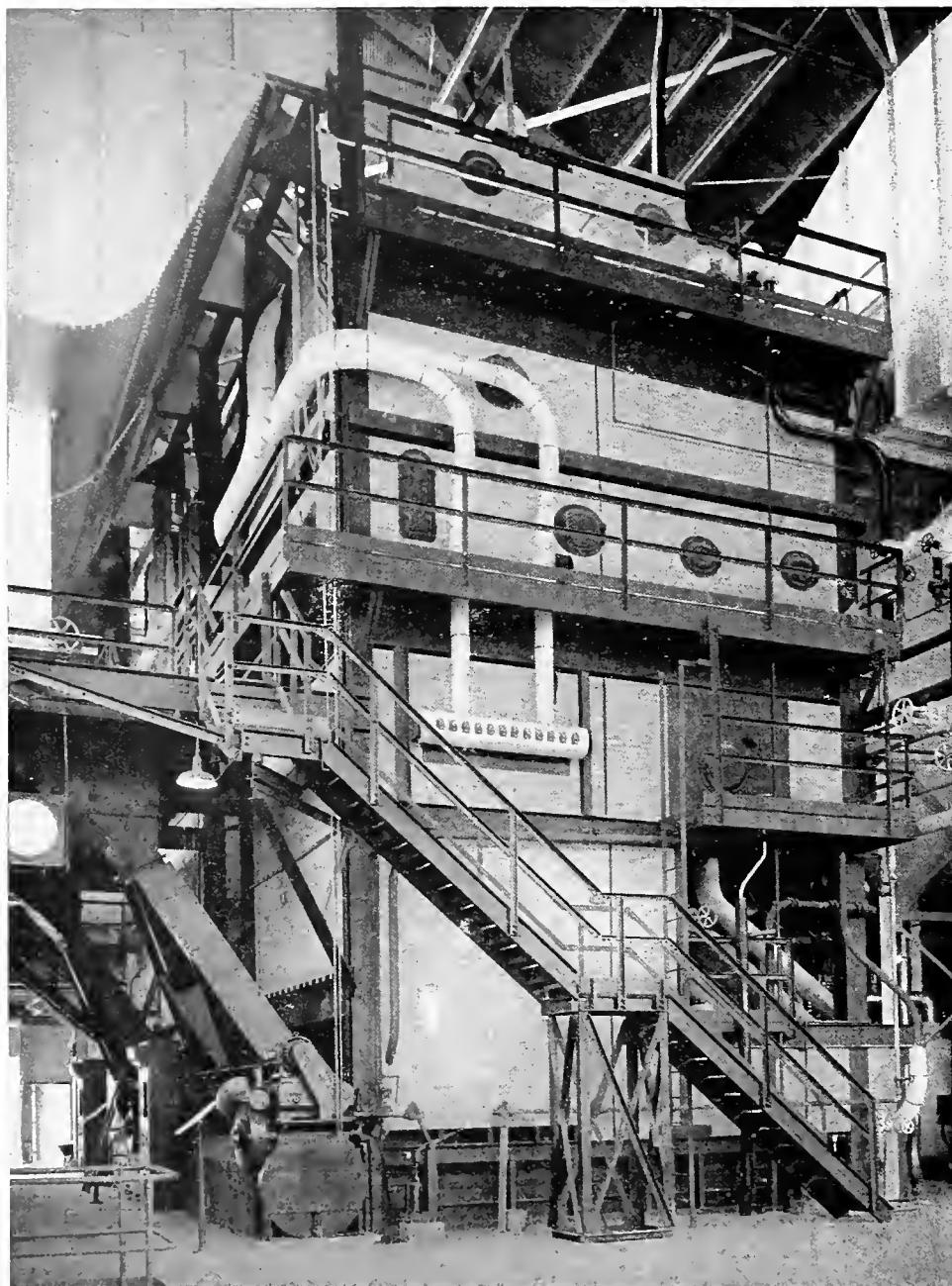
Writing in *Greater Pittsburgh*, he says in part, "Part of our program, but only a part of it, I emphasize, is a coast-to-coast superhighway. We hope to provide America with a series of turnpikes, free of grade crossings, highway intersections, towns and red lights."

"The one message we have for highway transportation people in America,"

A DECISION by the Navy department to invest \$8,000,000 in the expansion of the Dravo Corporation plant at Neville Island has again brought the Lehigh founded (Francis R. '87-Ralph M. '89) organization into the headlines. Located several hundred miles from the eastern seaboard, Dravo (37 current Lehigh employees) has completed construction of several

LITTLE, OKESON, CROWELL
"in a huddle at the eighteenth"





Our Alumni

- S. P. FELIX, '03
- J. D. BERG, '05
- E. T. GOTTL, '06
- A. S. OSBOURNE, '09
- L. C. ZOLLINGER, '09
- V. B. EDWARDS, '12
- GEO. F. WOLFE, '14
- W. P. BERG, '17
- E. H. ZOLLINGER, '18
- F. J. LLOYD, JR., '23
- B. E. RHOADS, '23
- W. W. ARMSTRONG, '27
- R. W. MARVIN, '27
- PAUL G. STROHL, '27
- G. W. FEARNSIDE, JR., '28
- C. W. CRANACHER, '29
- E. V. TWIGGAR, '31
- J. K. BEIDLER, '34
- W. A. ROBINSON, '34
- H. E. LORE, '35
- L. P. STRUBLE, JR., '35
- D. R. BERG, '38
- A. C. DRAKE, '38
- W. B. WOODRICH, '38
- K. C. COX, '39
- C. C. BALDWIN, '40
- A. T. COX, '40
- F. E. HARPER, JR., '40
- R. R. MERWIN, '40
- ROBERT A. HECHTMAN, '41
- WILLIAM H. LEHR, '41
- RICHARDSON GRAY, '41
- LLOYD F. GREEN, '41
- WILLIAM J. BURKAVAGE, '41
- GEORGE W. WOELFEL, '41
- RICHARD M. DIETZ, '41
- JOSEPH KASZYCKI, '41

Complete boiler plant furnished by Machinery Division, Dravo Corporation, for the Irvin Plant of Carnegie Illinois Steel Corporation. Equipment includes waste heat and fuel fired boilers; complete water treating system for 100% make up; softener, filter and deaerating unit, hydraulic ash handling system, coal handling and storage, automatic combustion control, instruments and accessories.

DRAVO CORPORATION

GENERAL OFFICES: DRAVO BUILDING, PITTSBURGH, PA.

CLEVELAND, OHIO

PHILADELPHIA, PA.

LEHIGH *Alumni* BULLETIN

ROBERT F. HERRICK, EDITOR

LEONARD H. SCHICK, MNG. EDITOR

Long awaited by football-minded Lehigh alumni has been a clarification of their University's intercollegiate athletic policy in wartime.

Released with this issue of the Alumni Bulletin, the decision is a surprise-package embracing changes not only in policy but also in personnel.

Main points:

- 1) Barring a call to national service, Glen W. Harmeson (head football coach (1934-42), director of intercollegiate athletics (1939--) relinquishes the football post, retains the directorship, at least temporarily and becomes varsity basketball and baseball coach.
- 2) Appointed by President Williams, a committee headed by Walter R. Okeson, '95, Lehigh's vice-president and treasurer, will recommend a suitable candidate for the position of football coach.
- 3) Freshmen will be permitted to compete on varsity teams so that distinctly freshman teams will be temporarily discontinued. Certain junior varsity teams will be organized and champion intramural teams will compete with similar teams from other institutions.
- 4) Intercollegiate athletics will be continued in a modified form following existing schedules so far as practicable. Contact sports will be given proper emphasis and summer games will be arranged comprising chiefly tennis, baseball and swimming. The number of football games per year has been reduced by faculty action from nine to eight.
- 5) As associate head of physical fitness, veteran Director Fay C. Bartlett (1917--) will find a natural field for his already-established program of intramural, recreational and corrective sports. An enthusiastic advocate of physical training for the average student, Bartlett has probably introduced more Lehigh men to their muscles than any other coach.

In announcing the overall physical fitness program, Lehigh's answer to current emphasis on personal development, President Williams states, "Lehigh University will modify its athletics in keeping with the needs revealed by the war emergency and will develop, so far as available resources will permit, a comprehensive physical fitness program with which sports and normal physical education will be integrated. The program will be aimed at robustness, endurance and quick reactions. It will involve student living habits, recreation, athletic activity, health preservation and a psychologic will to strength and agility. The natural youthful ideal of manly strength, which characterized earlier American life and which has been displaced too much by an attitude of lackadaisical indolence in college students, will again be given the educational respect that it merits."

submarine chasers within the last two months, and with the completion of the expansion program will go into full scale production of minesweepers, subchasers, and other types of Naval vessels. This project means not only increased business for Pittsburgh steel producers, but it forecasts a revival of



WILLIAM WIRT MILLS, '87

"being reelected comes naturally"

the ship and boat building industry that brought great renown to that section in the colonial era.

THE business of being reelected to office comes naturally to Wm. Wirt Mills, '87, who has recently entered upon his third four-year term as tax commissioner in New York City. The tradition is true also in the case of his avocation, Boy Scout work, where for

the 10th consecutive year he has been named president of the Staten Island Council.

WHEN William Lyon Phelps, Yale educator and book reviewer attaches his merit badge to a publication, the author can be justifiably proud. Even better was the accolade given to Lehigh's James L. Clifford (Asst. Prof. English) when Phelps pronounced his work "Hester Lynch Piozzi" one of the ten best non-fiction books of 1941, described it as "an admirable biography of Dr. Johnson's friend, one of the most interesting women of the 18th Century, a manifold mother and social leader."

Dr. Clifford's book, marking the culmination of eight years of work, was read and accepted for publication by the Oxford Press of England in 1939, just before war was declared. When air fighting over the British Isles became severe, it was assumed that the work would be discontinued, but information reaching this country indicated that the publishers considered it important enough to warrant its continuance. For months dribs of proof kept coming from Oxford until finally the entire work of 492 pages was set up in type. During this time no proof was lost at sea, but at the very end several of Mr. Clifford's letters concerning last minute changes went down under attack by German U-boats. Consequently, except for a few changes which the author would like to have made, the book is printed almost as perfectly as though no German bombers had been harrying England while the publication of the work was in progress.

RESULTS? OF COURSE

BUT 2 to 1?

WELL, FRANKLY, WE WERE
SURPRISED TOO!

But Here's the Proof—

Editors, Lehigh Alumni Bulletin

In response to your letter and the subject of "pulling power" of the Lehigh Alumni Bulletin, the results to date indicate a two to one return over the two leading iron and steel industry magazines, respectively.

We have spent much time listening to and exploding theories presented by trade magazine representatives; but one point has become clearly defined and that is the fact that industrial plants are leaning more and more on the advice of their engineering staffs and less on the purchasing departments. This means that engineering bulletins or bulletins from engineering schools are being read by men who, in the past, apparently were "too distant" from the President's office to bring about investigations within reasonable time limits. In other words, the "first cost" information obtained by the purchasing factors was generally sufficient to delay any thorough investigation of the economic merits of a new product or project.

Since the above change in trend is gradually but surely becoming a deciding factor in engineering, it goes without saying that we, who have something to sell which is associated with engineering, are looking for those trade media which go direct to the "economic heart" of a company.

(Signed) _____*

The Lehigh Alumni Bulletin

OFFICERS: President, H. J. Hartzog, '04; Vice-Presidents, B. T. Root, '06, and R. W. Wolcott, '18; Treasurer, R. S. Taylor, '95.

ALUMNUS TRUSTEES: Frank B. Bell, '97; Daniel Berg, '05; Andrew E. Buchanan, Jr., '18; F. A. Merrick, '91; W. S. Landis, '02, and A. V. Bodine, '15.

Published monthly, October to July, inclusive, except during December and January, when it will be published bimonthly, by the Alumni Association of Lehigh University, Inc., Alumni Memorial Building, Bethlehem, Pa. Printed by the Times Publishing Company, Bethlehem, Pa. Entered as second-class matter at Bethlehem, Pa., Post Office. Subscription price, \$3.00 per year. National Advertising representatives The Graduate Group, Inc., New York, Chicago, Detroit, San Francisco, Los Angeles and Boston.

BULLETIN advertising, based on a \$35-page rate is an open invitation to effective display space at moderate cost. Paid circulation in a powerful class bracket can bring results like those indicated above. Write today for information on special contract rates. Editorial offices: Alumni Memorial Bldg., Bethlehem, Pa.

*NAME ON REQUEST.

LEHIGH *Alumni* BULLETIN

Welding--A Lehigh Research Project

From the laboratories of Williams Hall comes another story to prove that the University's "men behind the guns" are doing their part in this all out effort.



A broken pusher head is welded in eight hours; without electric arc-welding the repairs would have taken several weeks.

FASTER and faster spin the wheels of American industry in a supreme effort to produce the guns, planes, tanks, and trucks so sorely needed by the United Nations in their death battle with the axis powers. But the roaring wheels may churn still faster in the near future if a research project on the phenomena of welding now being conducted on Lehigh's campus is successful.

Prime mover in the project, which has been going steadily forward for more than a decade, Dr. Gilbert E. Doan, genial head of the department of metallurgy, admits that a successful conclusion to the research will not only speed up production, but that welding has already begun to supersede the process of casting in the manufacture of many machines.

Long considered an outstanding authority, Dr. Doan readily talks about

the future of arc-welding—Construction of ships, tanks, bridges, tunnels, planes, and even private homes—only a few of the many fields that have been successfully invaded by welders. Of course, little of this work has been done on a large scale program, but in the future there is almost a certainty that welding will play a major part in every large piece of construction work.

To discover Lehigh's active entrance into the fascinating work of welding research, one has but to turn back the calendar to 1930—the year when welders became baffled with some of the intricacies of their profession. Unable to solve the phenomena of welding they approached the Engineering Foundation who in turn consulted Dr. Doan, even then a leading authority. As a result a paper on "The Heat Balance at the Cathode of a Welding arc" was presented that year before the Ameri-

can Institute of Electrical Engineers. So favorably was the report received, that when a survey was made of Lehigh's facilities, the foundation did not hesitate in making South Mountain the hub of the exhaustive research program, and from that moment until the present day a continuous stream of research reports has poured from Dr. Doan's office in Williams Hall.

THE phenomena of metal transfer, that mysterious action that transfers globules of metal from the arc to the parts to be welded has, from the very beginning, been puzzling to scientists and various types of experimental investigations have been made to learn of the exact nature of metal transfer and the laws which govern such transfer. Dr. Doan's investigations at Lehigh in this field have been unique in that he made comprehensive investiga-

tions covering the effects of various arc atmospheres, the purity of electrodes, the effect of crater formation, and penetration.

From 1931 until 1937 these studies were supported by grants from the Engineering Foundation. Since then the project has been backed by the American Iron and Steel Institute through contributions made by large industrial concerns interested in the results of such work. Only recently the Maritime Commission has declared its interest in the research, and will now give its full support. In 1933 one graduate student, J. Leland Myer, '30 was permitted by the University and by the Foundation to carry on the work at the University of Berlin under Professor Adolph

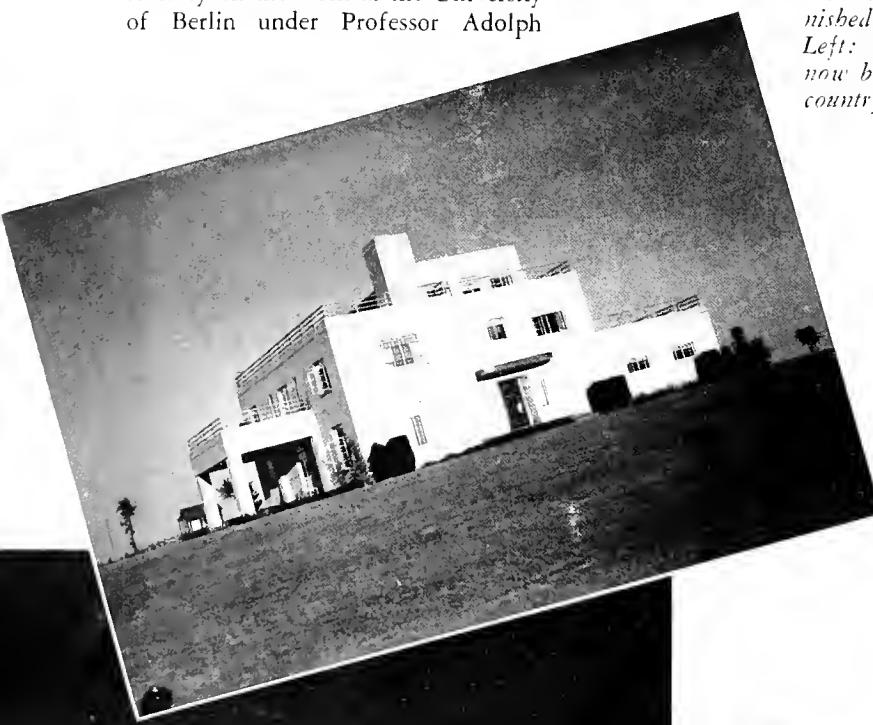
Hertz. Although Hertz was a Nobel Prize winner he had to flee Germany shortly after Myer arrived.

The results of many of these experiments have been published in "Electrical Engineering", the "Welding Journal" and many other technical publications. Collaborating with Professor Doan in the research work were J. M. Weed of the General Electric Company, F. Jerome Whitney, '30, Albert M. Thorne, '32, W. C. Schulte, Dr. Shang-Shoa Young, '36, R. R. Lorentz, '37, and Dr. E. M. Mahla, '38. At pres-

ent Dr. Doan is being assisted by Robert D. Stout, who graduated in 1935 from Penn State as the top man in a class of 800 students.

The weldability research program is based on the fact that caution must be exercised, when any steel except the simplest low-carbon type is to be welded, to avoid a brittle layer in the heated zone just under the weld. For example, a low alloy steel plate may be welded without brittleness in $\frac{1}{4}$ and $\frac{1}{2}$ inch thickness but may be quite unsafe to weld in $1\frac{1}{2}$ inch thickness because of

Pictures used on these pages were furnished by the Lincoln Electric Co. Left: One of the all welded homes now being constructed throughout the country. Circle: A welder at his work.



Left: Striking an arc in the Lincoln school of welding always makes a dramatic picture. Above: The Shoshone River siphon near Cody, Wyoming, was so carefully constructed that X-rays were even taken of all field welds. A hydrostatic test applied at a later date proved that the line was absolutely leak proof.



Picture on the cover depicts a welded water cooled shell of an automatic gas producer. Below: Welders play an important part in the construction of a modern flying fortress. Right: A student welder does a touch-up job on an aircraft motor mount. Without welding industrial production would bog down.



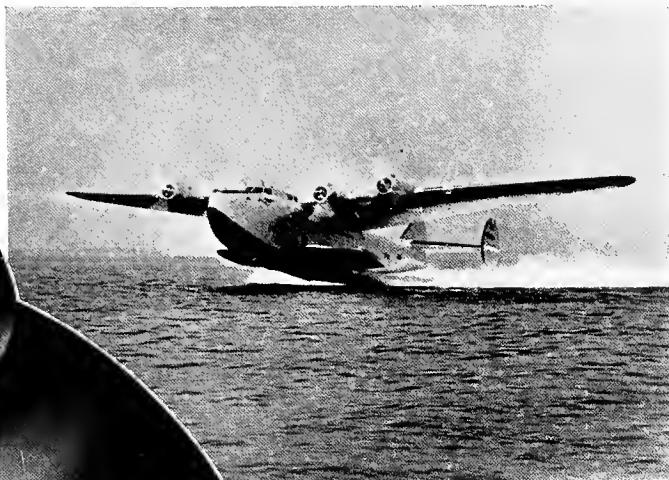
Circle: The "E. J. Henry" the first merchant vessel over 500 feet long to be completely welded. Right: One of the new oil refinery pressure vessels of fusion welded construction.

the greater cooling rate at the weld in the thicker plate, and the accompanying danger of brittleness. Again a steel may be safe to weld when the air temperature is 70 degrees, but entirely unsafe to weld at zero.

THE designing engineer wants to know what steels can be welded and under what conditions. If the Lehigh phase of the program succeeds, the designer will need only one test—the Jominy bar end quench test, to reveal

the response of the steel to the range of cooling rates set up in the bar. The Jominy bar perfected some time ago by W. E. Jominy is a simplified method of learning the hardening effect of a whole range of cooling rates for the steel being tested.

The Lehigh part of the program is to determine cooling rates under various conditions (by measuring hardness in the welded section and relating it through the Jominy bar to the cooling rate which produces that hardness).



and to insert into the mathematical equation empirical factors for each variable, so that while not mathematically perfect, the equation will give the designer the information he needs as to permissible welding conditions for any steel.

As is true in all scientific investigations of this sort, the practical aspects are only gradually becoming apparent. It is safe to predict, however, that with a more thorough understanding of the basic phenomena involved, practical application of great value will follow, and that when this occurs Dr. Doan and Lehigh will receive full credit for the work they are doing.



W. Brady, '92
50%



W. Forstall, '91
45%



A. Forstall, '83
36%



D. Brillhart, '06
34%



H. Chandler, '41
33%



W. Dukek, '38
31%



G. Hurst, '39
27%



L. Grossart, '86
26%



F. Slinn, '04
25%



W. Okeson, '95
22%

ON the evening of February 28, a group of 32 men representing 31 classes of the Lehigh Council of Class Agents, gathered round a colored chart displayed in the private dining room of Lamberton hall, and reviewed the record of the 1942 Alumni University Fund campaign at its half-way point.

A gleam of pride appeared in the eyes of many of these Class Agents as they noted the record achieved to date by the generous giving of their classmates.

There was clear evidence that Lehigh alumni, faced with mounting taxes and innumerable appeals for donations, had far from forgotten their college. That the Class Agents themselves could share real credit with their District Agents was apparent when C. L. T. Edwards, '13, president of the Council, revealed current figures. From July 1, 1941 to February 25, 1942 a total of 834 alumni had contributed \$24,659.90 — a gain of \$10,723.40 over the same period of the past year.

But even \$24,659.90 at the midpoint in a campaign aimed at \$50,000 was far from a comforting margin of success. Tides in Lehigh's reduced income from endowment, anticipated drop in enrollment, were waiting for no man. The \$50,000 goal was now for a gift in "guns, not butter." The frills in the Lehigh program had been stripped away with the introduction of the accelerated program (see February BULLETIN) and the Class Agents as a whole meant business.

That some classes had caught the

spirit of the drive was evident. W. Y. Brady, Class Agent for '92, had 13 contributors over 10 recorded in all of last year's campaign. New Class Agent R. F. Gadd, '93, had jumped his percentage 9% over the '40-'41 total while I. I. Beinhower, '94, another new Council representative, already had scored 5% ahead of the entire quota of the past year. Cary Evans, agent for '40, could boast 105 contributors to date over 100 who had taken part by June of '41.

Indeed, most classes which might be expected to have reached only 50% of last year's totals, were above the mark. Members of the classes of 1886, 1896, 1901, 1903 and 1906 could point with some pride to their record, although none had passed the '40-'41 total.

L. J. H. Grossart, '86, had 26% participation as against 33% last June, while R. E. Laramy, '96, has but 8 to go in reaching last year's mark. Co-Agents Harleman and Evans of 1901 are close to their past record of 25% and newly appointed R. S. Cunningham, '03, has already equalled the final 1940-41 mark.

THE class of 1889 ranks at the top in amount of contributions, largely because of S. E. Berger's generous \$7,500 gift, \$6,000 of which has been received in this fiscal year. Next comes the class of 1907, with \$2,129, followed by 1901 with \$1,850, and 1891 with \$1,222.

Among younger Classes operating on the Class Insurance Plan, the most



M. Jacobs, '10
21%



C. Evans, Jr., '01
19%



H. Foering, '90
18%



W. Peterman, '11
17%

out the Fund

mark indicates that much work
to be reached.

recent 1941, has 145 contributors, thus ranking above 1940 and 1938 with 105 each, as well as 1939 which has 111 classmates participating.

Most serious were the problems of 1888, 1899 and 1931, for previous Agents were forced to relinquish their Council duties and no successors could be found to replace them. Quite the opposite, several classes, inactive in 1940 and 1941, have found a new burst of enthusiasm through recently appointed Class Agents.

Organization of the Council in the current campaign is much improved over that of the past year. Class Agents, in an executive capacity, co-operate directly with Council headquarters in Bethlehem and serve as coordinators for District Agents who are responsible for selected members of their class. Too much credit can not be given to these District Agents, who not only contribute to the fund personally but inform their friends of Lehigh's need and encourage their participation.

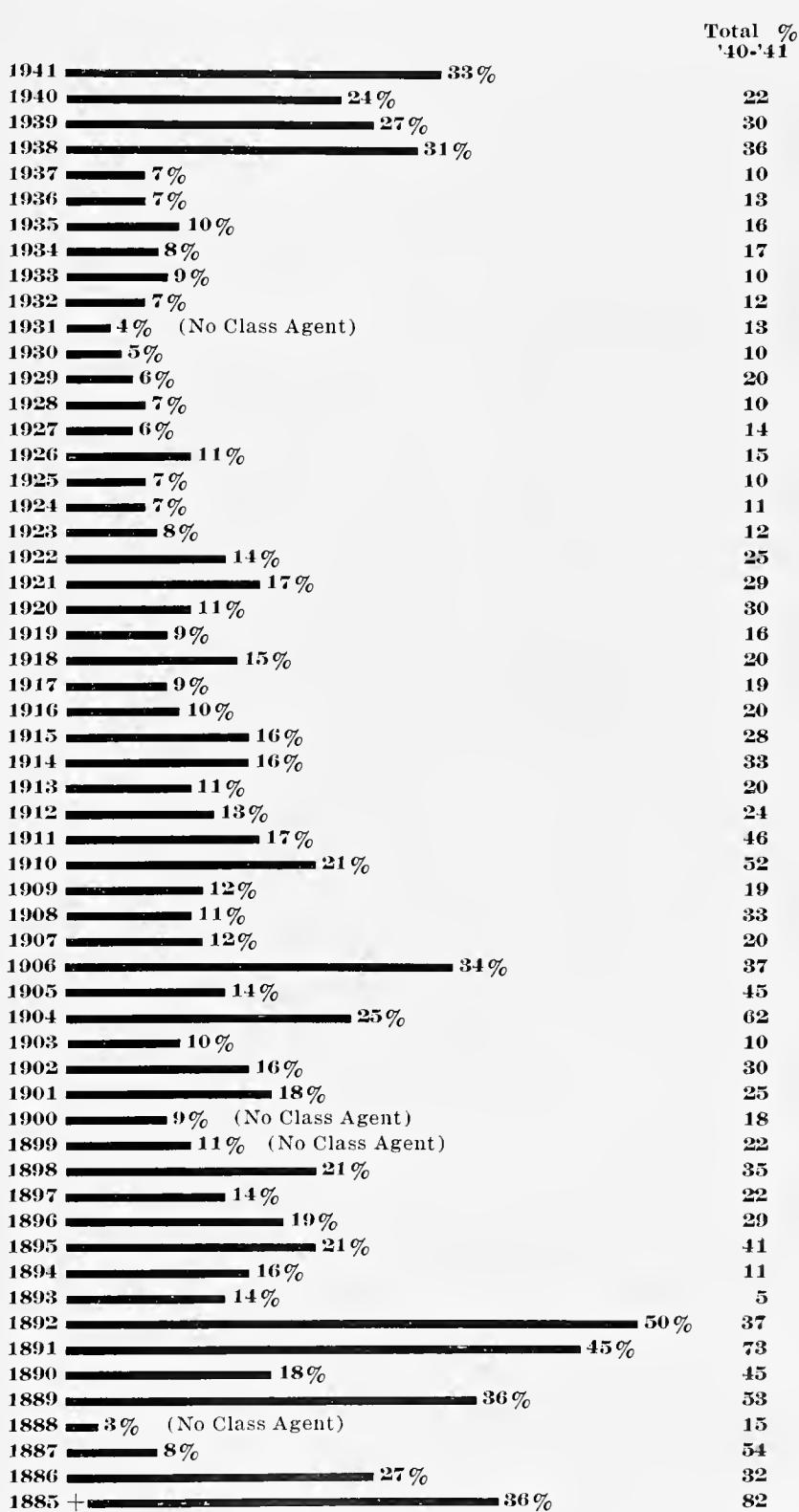
Seventeen classes had already contributed larger sums to Lehigh by the end of February than they had in the entire previous year. The classes honored in this group were 1940, 1939, 1925, 1923, 1918, 1917, 1915, 1912, 1904, 1901, 1899, 1893, 1892, 1891, 1889, 1883 and 1877.

Classes from 1938 to 1941 inclusive have an average of one-third of their members enrolled in the Class Insurance Plan, which matures in 20 years to Lehigh's direct benefit. These "insurance members" in the four latest classes will alone make possible a gift to Lehigh of over \$100,000 by 1961.

The campaign conducted by the Council comes to a close on Alumni Day, June 6, when Council President Edwards hopes to announce a \$50,000 gift to Lehigh. Only those gifts specifically marked as a "gift to Lehigh" go directly to the University and help to swell the fund total. Other contributions, such as Student Grants, Alumni Dues and BULLETIN subscriptions, are restricted to specific work, as indicated.

How Does Your Class Rate at this Point?

These records, revealed to Class Agents at their Spring meeting, indicate results in the current Fund campaign at the half-way mark. Percentages less than half of last year's total indicate a dangerous condition and merit increased activity from Class Agents, increased support from classmates.



Cross-Cutting the Campus

Deeply concerned with the war and the probability of an immediate call to the colors students still found time last month to enjoy college activities.

ARAPIDLY changing campus scene last month found students hurrying from class to class, and participating wholeheartedly in numerous extra-curricular activities, without forgetting the fact that the second semester is rapidly nearing its end and that much work still remains to be done.

Principal concern since December, the war question was brought forcibly to the campus when a survey revealed that 29 students, almost two per cent of the undergraduate body, had either enlisted or been drafted since the turn of the year. Only two months ago these boys were sitting in class rooms listening to lectures, now they are working for Uncle Sam. Representing 14 fraternities and seven dormitory sections, these men are only a small percentage of the students who plan to enlist or who will be drafted at the semester's end.

The faculty too was not untouched by the reaching fingers of the draft, as Paul Short, '34, assistant director of athletics, and freshman football coach, received a week's notice, packed his bags and reported to Bowling Green, Va., where he was inducted as a Second Lieutenant in the Army.

Recalled to active duty three members of the Department of Military Science left immediately for army

camps throughout the country. The three—Colonel Joseph S. Leonard, head of the department, Lt. Colonel George L. Febiger, second in command of Lehigh's R.O.T.C., and Sergeant Thomas H. Duby, who will be made a Second Lieutenant, a post he held in the last war, have been expecting the summons since the outbreak of hostilities.

Replacing Colonel Leonard will be Colonel Fay W. Brabson, holder of the Distinguished Service medal, who will be transferred from Camp Barkeley, Texas. Lt. Colonel Arthur F. Bowen now stationed at Fort McIntosh, Texas, has been transferred to Lehigh as second in command.

While students pondered over the advisability of enlisting immediately or waiting to be drafted, the administration strove to take additional precautions to prevent a recurrence of the fires which swept two of the most pretentious fraternities on the campus in the past five months. The embers of the Phi Gamma House, burned last month, were scarcely cool, before Bethlehem fire authorities claimed that an inadequate supply of hydrants hampered their efforts to battle the blaze. Replying to this charge, University officials admitted that congestion caused by student automobiles hindered the firemen,

but insisted that there are sufficient plugs in the vicinity which the firemen did not use.

THE old adage "All work and no play" is just as true at Lehigh as elsewhere. Hence, all text books were laid aside last month and 868 couples danced to the music of Harry James and Will Bradley at the annual Interfraternity Ball in spacious Grace Hall. Held on the campus for the first time since 1934, the highlight of the winter social season was open to all students and not restricted to fraternity men.

The musicians had scarcely packed their instruments before students were anticipating the final dance on the college program—the Junior Prom to be held early in April. Eliminated under the accelerated program, then revived after united undergraduate protest, the traditional house-party weekend will be held with as little flourish as possible. Chiefly concerned with this latter problem, the student committee agreed to cancel provisions for rain insurance, eliminate floor decorations and programs, and to replace corsages for

Below: Mustard and Cheese aspirants receive professional instruction from Director Albert A. Rights who is in charge of all campus dramatic works.





Above: F. Alexander Maggoun of M.I.T. breakfasts with the Theta Deltas the morning following his lecture to the senior class on a happy marriage.

chaperones with defense stamps. Only one name band will be selected, and no flowers (not even artificial ones) will be worn on the dance floor. Profit derived from the prom will be converted into defense bonds immediately.

A second social interlude in routine college life, the class banquets (revived a few years ago without the efforts of rival classes to kidnap class leaders) were held last month by the three upper classes. The freshmen, scheduled to dine this month, are still trying to lure radio commentator Lowell Thomas to the campus. Seniors, desiring an encore to the interesting

talk they heard last spring, recalled F. Alexander Maggoun, professor of human relations at M.I.T., and for more than four hours bombarded him with questions pertaining to a happy marital existence. More warlike, the Juniors listened to C. Brooks Peters, '34, Berlin Correspondent for the New York Times, describe his experiences on the "other side." The sophomores, also intrigued with current problems, heard G. W. Ransom of the Federal Bureau of Investigation speak on "The F.B.I. and the National Defense."

NOT even all the extra-curricular activities during the month were permitted to interfere with the work of campus thespians who recently announced that their spring production "Male Animal" will be given the lat-

ter part of April on two successive nights. Commenting on the proposed plan for a double showing, student editors wrote "Because of the success of recent Mustard and Cheese productions, it is gratifying to note that the club may return to the policy of playing for two nights. Not only will this revived plan help to bring forth better actors, but it will give every member of the student body an opportunity to attend Mustard and Cheese performances."

Not to be outdone by student dramatists, the faculty chorus also decided to present their production "H.M.S. Pina-

Below: Opened to all undergraduates the Interfraternity Ball was a huge success as the 868 couples danced to the music of two well known bands.



fore" on two succeeding evenings. Presenting its fifth vehicle, the faculty will stage the complete version of the Gilbert and Sullivan opera which it presented some years ago in abridged form without costumes or scenery.

But while students and faculty rehearsed their respective roles, undergraduate leaders concerned themselves with two time honored customs—Flag Pole Day, and Senior cane, symbolical of class power. The latter, damaged in the Phi Gamma fraternity fire is today nothing more than a smoke blackened silver spiral on which the names of a few past Senior presidents are still discernible. Efforts are being made to replace the time honored cane, but an editorial appearing in *Brown and White* seems to express the student sentiment. "Lehigh traditions are passing fast. The Calculus Cremation, the burning of freshman hats, hell week, banquet kidnappings, all are unknown to the present college generation. Now the Senior cane is gone, ashed in the Phi Gamma fire, where it rightfully rested in the lawful possession of the Class President.

"Colleges are growing up, they say, as these outmoded traditions vanish with the passage of the years. It is a little sad to see such customs pass. They have been a part of the American College; they have been part of our culture. The ill in time has been small, and the amusement and pride they fostered in our youth has more than compensated for their occasional silliness. We shall not be the same without them."

Flag Pole day, long honored as the time when leading undergraduate individuals and groups are singled out for awards and praise, will again be held this spring. A petition for the annual event was approved by the faculty at its last meeting, and the traditional program will be held in the center of the campus on April 30.

A realistic lecture on war time first aid given to freshmen by the department of Military Science resulted in an epidemic of fainting spells and produced the story of the month, as three students unable to stand the graphic description of wounds sustained in battle, slumped slowly from their chairs, and thus became actual patients for first aid demonstrations. After one student in each of the first three classes, to be informed of the goriness of war, had "passed out", military officials decided to confine their instruction to quizzes containing questions of a mild order.

In Zones of Combat



A glance at a world ripped asunder by a war that reaches practically every known corner of the earth reveals that at least 72 alumni of Lehigh are living and working in areas where the smoke of battle is thickest. Most of this number are listed as non-combatants, because since the theater of war has widened it has become increasingly difficult to learn the whereabouts of alumni who are in the service.

Of the 72 men known to be residing outside the territorial boundaries of this country 18 are in China, 9 in England, 11 in Hawaii, 8 in the Philippines, and 7 in the Canal Zone. The remainder are spread throughout countries which are either now under Axis domination or are being threatened by imminent seizure.

Following is a list which contains the latest information about Lehigh men who are residing in foreign lands:

In Hawaii

Ensign W. Bear, '41, Bureau of Mine Defense, Pearl Harbor.
T. E. Chamberlain, '29, Honolulu.
Lt. Commander, G. B. Gelly, '22, Honolulu.
R. B. Miller, '38, Honolulu.
H. W. Palm, '28, U. S. Geological Survey, Honolulu.
G. W. Pease, '26, Honolulu.
Lt. R. S. Porter, '38, Hickman Field.
R. M. Purvis, '15, Honolulu.
B. H. Rigg, '19, Honolulu.
G. A. Sisson, '26, Honolulu.
Eric Weiss, '39, Honolulu.

In Philippines

Ralph M. Blythe, '35, Manila.
J. F. Cariz, '18, Standard Vacuum Oil Co., Manila.
F. N. Cunningham, Standard Vacuum Oil Co., Manila.
C. S. Dandols, '08, Motor Service Inc., Manila.
Capt. John D. McPherson Jr., '23, Fort McKinley.
W. E. Murray, '26, Texas Co., Manila.
Lt. W. A. Sheppard, '38, U. S. Army.
L. B. Treat, '10, Masbate.

In China

Kingfan Chang, '15, Hunan.
S. L. Chang, '18, Shanghai.
C. F. Chen, '21, Foochow, Fukien.
T. C. Chun, '14, Chunking.
D. E. Fox, '28, Shanghai.
S. C. Huang, '22, Tongshan, Chihli.
K. T. Kann, '20, Hong Kong.

C. L. Kwong, '11, Nanking.
C. C. Lu, '18, Hong Kong.
F. K. Paget, '30, Hong Kong. Standard Vacuum Oil Co.
D. K. Shen, '23, Shanghai.
Hsiung Tsai, '19, Hong Kong.
C. C. Woo, '18, Nanking.
A. T. Yap, '19, Shanghai.
Dr. T. C. Yen, '01, Shanghai.
In Young, '11, Shanghai.
Dr. Shang-Shoo Young, '38, Kiangsi.
T. Yuan, '24, Tientsin.

In France

T. H. Reed, '27, Paris.

In Germany

Walter G. Speyer, '39, Berlin.

In Holland

Joseph Israelslaan, '10, The Hague.

In Turkey

C. R. Wylie, '13, Istanbul.

In Malta

F. A. Henry, '06, Valletta.

In Japan

Dr. H. Kamura, '20, Meijo College of Technology, Fukouka-ken.
Yasuo Takikawa, '18, Komatsu Electrical Works, Ishikawaken.

In Dutch West Indies

A. S. Ayerm, '38, Lago Oil and Transport Co., Ltd., Aruba.
G. T. Cleveland, '28, Lago Oil and Transport Co., Ltd., Aruba.
G. F. Dickover, '36, Lago Oil and Transport Co., Ltd., Aruba Curacao.

In Java

Harry F. Su, '25, Bondowoso.
Kian Tjong Be, '22, Semarang.

In Italy

L. J. Licciardi, '30, Rossano, Cosenza.

In India

B. F. Buie, '32, Karachi.
J. L. Dodson, '18, Consolidated Pneumatic Tool Co., Ltd., Bombay.

In British West Africa

J. B. Diefenbach, '35, Accra, Gold Coast.

In Ceylon

J. M. Coulton, '25, Dodge and Seymour Ltd., Colombo.

In New Zealand

D. S. Plewes, '37, New Plymouth.

In Canal Zone

Ernesto Franco, '01, Christobal.
J. W. Kromer, '39, Balboa Heights.
T. S. Kromer, '39, Balboa Heights.
J. O. Liebig, Jr., '40, Diablo Heights.
V. W. Reynolds, '35 Balboa.
Richard Rich, '25, Ancon.
F. J. Washabaugh, '39, Christobal.

In England

P. A. Beauchemin, '38, London.
W. E. Bird, '31, Birmingham.
M. J. Calloe, '25, Merstham, Surrey.
A. S. Clift, '95, Orpington, Kent.
Dr. H. W. Dickinson, '38, London.
H. A. Firpo, '03, London.
F. S. Mitman, '23, London.
P. S. Dyer-Smith, '03, Hildenborough, Kent.
Theodore Stevens, '86, Dence Park, Herne Bay, Kent.
J. C. Whitmoyer, '05, Ferndown, Dorset.



Above: An official Naval photograph depicts a patrol plane gassing from a tender, as the boatmen toss the first line to sailor on the plane's wing; Left: Anthony Carcione, '41, who will soon complete his army air training at Randolph Field, Texas, and will then be placed on active duty; Right: William Sheppard, '38, lived to tell a harrowing tale of his experiences with semi-naked Philippine natives after his plane was riddled by the Japs.

Life Among the Lehigh Service Men

IN October, the BULLETIN inaugurated this feature with the hope that through these columns the men in the service who are alumni of Lehigh would be able to maintain a closer contact with the University and with their friends who might be stationed in nearby camps. Thus far the names and addresses of more than 250 alumni wearing the uniform of Uncle Sam have been published in the BULLETIN, and a new list appears at the end of this article.

However, the BULLETIN staff feels certain that many more men are doing their bit for the country, and for this reason all alumni are urged to co-

operate by sending in the names of any Lehigh men in uniform. With the assistance of everyone, it will be possible to maintain a fairly accurate record of the whereabouts of those men who are doing so much for this country today.

The nerve tingling story of how Americans escaped the flaming waterfronts of Manila across mine-infested Manila Bay to Bataan last New Year's Day is told in a letter written by Ralph M. Blythe, '35 to his wife in Boston. Excerpts from the letter follow: "You may not understand how I ended up in the army, but if you had been in my place you certainly would have done the

same (Blythe was sent to Manila in 1940 to install air conditioning machinery for the government).

"My job was to round up all the air conditioning and refrigerating equipment in Manila and get it to Bataan, or if possible to Corregidor. I was assigned to a launch to start at midnight December 31. That put a slight crimp in our plans for a New Year's party, but we did manage to have fun. That night turned out to be the worst in my life.

"They started firing the quartermaster's stores at 12:15 and we watched the flames gaining. Gradually the heat became more intense until we found it

necessary to retreat to the launch. After we were all aboard we discovered there was no one who could drive the thing. By now it was too late to go back to the pier as the heat was terrific.

"Filipino workmen on a barge alongside started jumping in the water and I was just on the point of following suit when I noticed a tug driving toward us. Our lines had been cast off and when the skipper of a tug threw us a line we were quickly snaked off. What a relief to get away from that flaming hell. The skipper took us about 300 yards and then went back for the barge of the native workers.

"We estimated later that the tug saved the lives of not less than 450 men plus hundreds of thousands of dollars worth of equipment and material. We drifted about for an hour and were finally transferred to another boat and headed for Bataan.

"In the middle of the night (black as coal) we became lost in the mine fields and the skipper dropped anchor and waited until morning before landing. You need not worry about my getting killed as I have been thoroughly bomb-proofed. A big one came close to me in Manila, knocking me off my feet and the chances are a million to one that another could come that close again".

FORCED to bail out of his fighter plane over the wilds of Northern Luzon early in December after a heroic fight against a superior Jap air force, Lieutenant William A. Sheppard '38, probably owes his life to the happy fact that he has red hair. Landing amid a group of fierce Kalingas, semi-naked, Jap-hating natives of that section, he later, with the aid of these natives, made his way by foot and horseback to Baquio, where he rejoined his unit.

This much of the story has been confirmed. What is not confirmed, but what has about "999 chances out of a thousand" of being true according to his father is that the Lehigh Alumnus is the pilot who saved his life by showing the color of his hair. Lieutenant Sheppard has hair "of orange hue", the words used in dispatches from the Far East describing the red-headed pilot.

The pilot, the dispatches state, was about to be set upon by the Filipino natives after he had parachuted safely. The tribesmen, not detecting the insignia on the plane, mistook him at first for a Jap. As they closed in for the kill, the pilot quickly threw off his

helmet displaying the thatch of red hair. The Filipinos withheld their assault because as one of them later explained in his native tongue, "We knew it couldn't be a Jap because we never saw a Jap with hair that color."

Lieutenant Sheppard, after a period of hospitalization on Bataan Peninsula was transferred to Australia from where he phoned his parents that he is



CLYDE R. FLORY, '20
"The experience is not new"

now fully recovered and ready once again for active duty.

A clipping from the local paper reveals that Anthony R. Carcione '41, has completed his primary training in aviation at Spartan Field, Tulsa, Okla., and has been transferred to Randolph Field, Texas, for the basic course of ten weeks. Carcione began his flying as a student and received his pilot's license at the Allentown-Bethlehem airport.

A long letter written during leisure moments by Bob Conrad, '38, who is stationed with the Asiatic fleet in the Philippine sector reached our office shortly after the start of hostilities. Since Bob's letter was written prior to the war, there will be no harm in revealing some of the text.

The first part written early in October states that his ship had just arrived in Manila harbor after a long cruise. "To where is not a matter to be bantered about among friends, but the Manila paper carried an article which of course can be quoted as public information. This indicates to an extent the direction in which we were work-

ing. The article concerned an incident between several maniacal Moros, two of whom lost their heads, literally. Naturally there were a few sailors who inevitably became involved in the flesh carving and bloodletting. All this reportedly happened at Zamboango.

"A few days later, by way of interesting tales, the same paper published the sequel to this event. The enraged relatives of the deceased started to hunt each other down and climaxed the search with headrolling. When all was told and the Marines again had everything well in hand fifty-one of these wild people had been killed. The Marines shot a good many of them but the majority were victims of their bolo bearing neighbors. The part played by the Marines was not widely publicized here for the obvious reason that it would cause considerable resentment, especially because they superseded the local constabulary."

Conrad's letter writing was apparently interrupted because it was not until early November that he resumes "Apparently this is no easy life. Yesterday, I went for a swim at the Club (Manila) and in the course of dressing climbed on the scales which indicate that I have lost exactly 21 pounds since I reported out here a little over two months ago." The remainder of the letter is of a confidential nature and for obvious reasons will not be published here.

CLYDE R. FLORY, '20, writes, "I was commissioned a Lieutenant Commander in the Specialist group (surgery) in the Medical Corps of the U. S. Naval Reserve in February, 1941, and at present am Chief of Surgery of the Mobile Base Hospital Unit No. 1. This Mobile Base Unit, the first of its type in the Navy, was organized in October, 1940, and was originally stationed in Cuba. We have a 500 bed capacity and can provide for additional increment in case of imminent need, which may occur at any time. Our patients come from all branches of the armed service and sea going units.

"A peculiar coincidence has occurred in that the Chief of the Surgical Service of the Mobile Base Hospital Unit at Pearl Harbor and I reported for active service at Philadelphia on the same day. He is married to a daughter of a former president of Lehigh. Had a chat with "Whitey" Carlson and am having him as my guest at our officers' club this week. Saw Ted Estes and Mrs. Estes at the Army-Navy football game, but am

(Continued on page sixteen)

ONE of the most pleasant ways for an alumnus to continue relations with his alma-mater is to make a gift of books or manuscripts to the University library. Recently we have received from Mr. Robert Honeyman, '20, of Pasadena, California, a number of manuscript letters of American writers, including three by Ralph Waldo Emerson, and several leaves of a rough draft of Emerson's lecture, "Aristocracy." The gift as a whole is an important addition to our rarities; but particularly interesting is the inclusion of the Emerson manuscripts, for during the past months there has been in the Treasure Room a display of Emerson first editions. This exhibit marks the growth of our library in American literature, especially in Emerson, and Mr. Honeyman's donation emphasizes that growth.

Most important in the display is a copy of *Nature* (1836) which had been owned by the actor Francis Wilson and which we secured at auction more than a year ago. Other first editions are *An Address . . . on the Anniversary of the Emancipation of the Negroes in the British West Indies* (1844); *Representative Men* (1850); *English Traits* (1856); *The Conduct of Life* (1860); *Society and Solitude* (1870); and *Fortune of the Republic* (1878). There is not sufficient space to mention other items in the display; but we must regret that our collection lacks the *Essays* (both 1841 and 1844), which Matthew Arnold regarded as the most important English prose in the nineteenth century, and the *Poems* (1847, either the London or Boston edition).

The display of the works of a writer may give us occasion to ask what he means to us. Particularly in this grim period of our history we might ask what Emerson, an American writer, has to offer to Americans. Matthew Arnold, an Englishman, described him as "the friend and aider of those who would live in the spirit." Even in an age of machines it is still true that a nation



endures by the collective common sense and courage of the people and the accumulated wisdom of its great men. Certainly, an age of men who have faced poverty and bankruptcy, who have been unclothed of their dignity and scourged, who have been harassed and savagely beaten to the raw edges of the earth, might take heart from Emerson's indictment of the Fugitive Slave law: "This filthy enactment was made in the nineteenth century, by people who could read and write. I will not

obey it, by God." Our age could do worse than to turn to Emerson's ripe wisdom and beautiful mystical perception in what is perhaps the loftiest passage in American Literature: "Let us build to the Beautiful Necessity, which makes man brave in believing that he cannot shun a danger that is appointed, nor incur one that is not; to the Necessity which rudely or softly educates him to the perception that there are no contingencies; that law rules throughout existence; a law which is not intelligent but intelligence;—not personal nor impersonal—it disdains words and passes understandings; it dissolves persons; it vivifies nature; yet solicits the pure in heart to draw on all its omnipotence."

Emerson at Lehigh

by CARL F. STRAUCH

Assistant Professor of English

A gift from an interested alumnus is added to the valuable collection of books, papers, and letters now on display in University library.

THIS mystic who believed in the divinity of man had a firm grasp upon American life which might commend him to us. Franklin and Lincoln, in particular, had the homely, simple touch that Americans like; Emerson had it also, and in abundance. On his

many and wearying trips throughout the United States, earning a living by lecturing, in Boston or Chicago, New York or Kansas City, Philadelphia or Pittsburgh, wherever people would listen to him, year after year he matched with his own the plain and direct talk of American farmers, mechanics, business men, and house-wives. Year after year this Yankee Buddha or Plotinus arranged his own lecture tours and wrote scores of letters that were necessary to secure speaking engagements. Professor Ralph L. Rusk's edition of Emerson's *Letters* is full of these hurriedly written notes; but two such letters, included in Mr. Honeyman's gift, may now be printed for the first time. Written to a Mr. Benjamin Norton of Portsmouth, New Hampshire, they show how the mystical Emerson made a practical American living.

sorry to say that Ted placed his bets on the wrong side.

"I am very well pleased with the service, with the experience it provides, and the responsibilities it involves. The experience is not altogether new in that during the last war I rose from the ranks to a line commission and commanded a subchaser and later was assistant Navigator on the transport Powhatan."

A press release from Army Headquarters indicates that Ralph E. Skedgell, '36 is now in the Air Corps stationed at Jefferson Barracks, Mo., where in his spare time he is preparing his first Army radio show. Skedgell, enlisted in the service January 9 after working as a radio producer for Young, Rubican, Advertising Company in New York since 1937.

Continuing with the policy established in recent issues, the BULLETIN will from time to time publish the names and ranks of Lehigh alumni stationed with the various branches of the services throughout the world. However, at the request of the War Department the regiments or units with which these men are serving will not be published for obvious reasons. The most recent list of alumni to be located follows:

CLASS OF 1906

Torrey, Philip, H., Major Gen'l, N. C.

CLASS OF 1908

Leitch, Lt. Col. F. T., Fort Meade, Md.

CLASS OF 1914

Jay, Col. H. D., Jacksonville, Florida.
Shaffer, Major T. G., Fort Bragg, N. C.

Concord
18 October 1854

Dear Sir,

I regret to say, that your note which came, I believe, when I was absent from home, has been mislaid, & is just now recovered by me. If it is not too late, it would be quite agreeable to me to accept your invitation for November 5th: If that day is occupied, perhaps I can come later in your course. If I bring you a lecture, the Association shall pay me Fifty dollars.

Respectfully,
R. W. Emerson

Dear Sir,

I am engaged to go to New Bedford 26th November; 27th is free, but not probably a good night for your Lyceum, —so near Thanksgiving: 29th is also free, with me. So are all the days earlier, from the 7th to the 22d Novr, inclusive. I leave home for the West, on 2d December, and it is quite possible that I

may have days on my return to offer you, unless your course closes early. I should like very well to come to Portsmouth.

Respectfully,
R. W. Emerson

Emerson preached his lofty doctrines to his townsfolk in Concord nearly every winter from 1835 to 1880; and during that same period he shared the simple life of the village. He was part of the American life about him; and although he frequently censured American manners and politics, he never hankered after Europe as have so many American writers from Henry James to T. S. Eliot and the fevered bohemians of the 1920's who lost their faith in America. In one of his last lectures, delivered in Old South Church in Boston, Emerson said, "Let the passion for America cast out the passion for Europe."

Men in the Service *(Continued from page fourteen)*

CLASS OF 1915

Ingram, Lt. Col. W. G., Fort Benjamin Harrison, Ind.
Teeple, Capt. P. M., Fort Crockett, Texas.

CLASS OF 1917

Haglund, Capt. L. F., Camp Upton, N. Y.

CLASS OF 1920

Fleary, Lt. Comdr. C. R., c/o postmaster, N. Y. C.

CLASS OF 1923

Hoke, Capt. W. M., Macon, Ga.

CLASS OF 1926

Heath, Capt. D. A., Fort Devens, Mass.

CLASS OF 1930

Calder, Lt. G. C., U. S. A.

CLASS OF 1931

Andrews, Capt. H. L., Jr., Fort Bliss, Texas.
Stutz, Capt. F. A., Aberdeen Proving Ground, Md.

CLASS OF 1932

Berkowitz, Capt. S. B., Camp Stewart, Ga.
Kopp, Lt. Paul, Washington, D. C.
Rahin, 1st Lt. Benjamin, c/o postmaster, Brooklyn, N. Y.

CLASS OF 1933

Jenny, Lt. E. F., Boringen Field, Porto Rico.

CLASS OF 1934

Kight, 1st Lt. John W., Pittsburgh, Pa.

CLASS OF 1935

Brown, Lt. R. W., Fort Benning, Ga.
Gallagher, Ensign John, U. S. N.
Riley, 1st Lt. Reginald, Fort Benning, Ga.
Schneider, Lt. F. C., Fort Wayne, Detroit.

CLASS OF 1936

Hutchinson, Lt. W. S., Jr., Washington, D. C.
Bilger, 1st Lt. W. G., Camp Wheeler, Ga.

CLASS OF 1937

Berutich, Lt. J. M., Fort Benning, Ga.
Curren, Lt. A. T., Brooks Field, Texas.
Minnich, Lt. C. F., U. S. A.

CLASS OF 1938

Baumann, Corp M. N., Camp Davis, N. C.
Dean, R. A., Aberdeen Proving Ground, Md.
Feilbach, Pvt. R. F., Fort Dix, N. J.
Fine, W. R., Aberdeen Proving Ground, Md.
Sutton, Lt. James, Aberdeen Proving Ground, Md.

CLASS OF 1939

Canfield, Pvt. R. G., Camp Stewart, Ga.
Dietrichson, Lt. H. L., Camp Clairborne, La.
Dorer, Lt. J. E., Turner Field, Ga.
Harchar, Lt. H. A., Camp Clairborne, La.
Jones, Pvt. H. J., Calif.
McNabb, Lt. J. M., San Bernardino, Calif.
McQuail, Lt. R. P., c/o Postmaster, New York City.

Nicholas, Lt. P. K., Fort Benning, Ga.
Roblin, Ensign, U. S. N. R.
Rosenstein, Pvt. R. M., Fort Monmouth, N. J.
Smith, Pvt. F. R., Fort Bragg, N. C.
Snyder, Lt. H. A., Aberdeen Proving Ground, Md.
Strohman, Lt. H. A., Calif.
Tanczyn, H.
Thompson, Sgt. O. C., Los Angeles, Calif.
Wertz, M. E., Jr., U. S. N. R.

CLASS OF 1940

Brown, Cadet R. E., Rantoul, Illinois.
Clark, 2nd Lt. W. R., Fort Belvoir, Va.
Cowell, Lt. J. F., Aberdeen Proving Ground, Md.

Cox, Lt. A. T., Fort Benning, Ga.
Decher, Lt. J. E., Iceland.
Ellers, William, Aberdeen Proving Ground, Md.

Feher, Lt. L. H. A., Fort Monmouth, N. J.
Kornet, Lt. F., Jr., Aberdeen Proving Ground, Md.

Lincoln, C. F., Jr., Fort Monroe, Va.
Lohach, Ensign J. F., Jr., c/o Postmaster, New York City.

MacFieeters, 2nd Lt. Donald W., Trinidad, B. W. I.

McCluskey, Lt. J. J., c/o Postmaster, N. Y. C.
McFadden, Lt. J. J., Pomona, Calif.

Mackey, 1st Lt. R. V., Jr., Erie Proving Ground, Ohio.

Merwin, 2nd Lt. R. R., Camp Lee, Va.
Nolan, Corporal J. L., Jr., Camp Stewart, Ga.

Randel, Lt. H. M., Aberdeen Proving Ground, Md.

Schuyler, Lt. A. M., Camp Stewart, Ga.
Todd, Lt. W. B., Camp Gordon, Ga.

Wolf, Ensign I. D., Jr., Norfolk, Va.

CLASS OF 1941

Anderson, Lt. James L., Fort Knox, Ky.
Carcione, A/C A. R., Randolph Field, Tex.
Carter, Lt. C. H., Jr., Joliet, Ill.
Conneen, A/C J. L., Greenville, Miss.
Doane, Sgt. G. D., Camp Stewart, Ga.
Feigley, W. J., Philadelphia, Pa.
Taylor, Lt. J. P., Pine Camp, N. Y.
Werner, Lt. H. G., Texarkana, Texas.
Wieland, Ensign W. E., U. S. N. R.



Put yourself in the picture and plan to enjoy Lehigh's 1942 Alumni week-end as much as did those men who returned last June.

Reserve June 5-6 -- Alumni Reunion

FRIDAY afternoon, June 5, the annual trek to South Mountain will begin. From all points of the compass they will come—loyal Lehigh Alumni eager for the festivities which will mark another successful alumni reunion. The grey haired men of 1892, back for their fiftieth, and the husky lads of '41, celebrating their first. All will return for that spirit-lifting reunion with fellow class mates, and the University.

True, the dark clouds of war, hovering overhead, will prevent many an eager alumnus from returning. But those who fail to "get back" because of industrial pressure, or because of service with the armed forces, will be toasted and remembered by the reunion classes as men who are doing their utmost to assure the allies of ultimate victory.

Alumni Day, June 6, will naturally be of great interest to the classes whose year ends in "2" or "7" for these will be the groups to officially celebrate their reunions. But other alumni will be welcomed with open arms. Plans for en-

tertainment have not yet been completed, but it is a certainty that nothing will be overlooked in preparing an interesting program of activities for all those who return. The official program will be announced in a future issue of the BULLETIN.

Those who arrive early Friday afternoon will have an excellent opportunity to visit the campus, chat with faculty members, and to witness the changes that have taken place since their last visit.

Under the accelerated program recently adopted by the University, classes will be in full session, and thus "old grads" will have an opportunity to see the scholastic program in action.

Those who have not returned since their last reunion five years ago will be intrigued with the physical changes. Drinker House, Richards House, Grace Hall, Berger Memorial Room, and renovated Lamberton Hall, all have been constructed in the past five years — proof that Lehigh is still forging ahead.

Friday evening the traditional alumni banquet will be held followed by nu-

merous parties, and the annual "open house" sponsored by the Home Club. Saturday morning the serious part of the week-end will take place as men interested in the Alumni Association attend the annual business meeting to discuss future plans, elect officers, and to hear a report on the University's status by administrative officials.

Following this session, luncheon will be served, and then the colorful parade of the classes will begin with each group competing for the Dave Petty flag, awarded annually to the class making the best appearance. In past years parading alumni ended their march at the flag pole where the Seniors performed their Class Day antics, but this year, because the accelerated program advances graduation to May 18, this portion of the program will be omitted. The remainder of the day will be devoted to individual class reunions and banquets where friendships formulated during undergraduate days will become more firm, and where news accumulated during the year will be exchanged.

Following the Alumni Clubs



Enjoying the North New Jersey dance: (1) Mr. and Mrs. Larry Kingham, '25, and Mr. and Mrs. Bill Helmstaedter, '28; (2) Dick Roll, '32, J. I. Kirkpatrick, '29, Miss Elder, Arthur Loux, '35, and Mrs. W. E. Blackmar; (3) J. I. Kirkpatrick, S. P. Becker, '29, Mrs. Kirkpatrick, Mr. and Mrs. Louis Brennesholtz, '32; (4) Mr. and Mrs. Becker, and Mrs. Kirkpatrick. Picture at right is a view from the Memorial Walk of Taylor gym where students are prepared physically to meet emergencies.

Central New Jersey

The annual spring meeting of the Central New Jersey Lehigh Club will be held Monday evening April 13, at the Carteret Club in Trenton, New Jersey. The meeting will be in charge of J. H. Pennington, '92, president of the club.

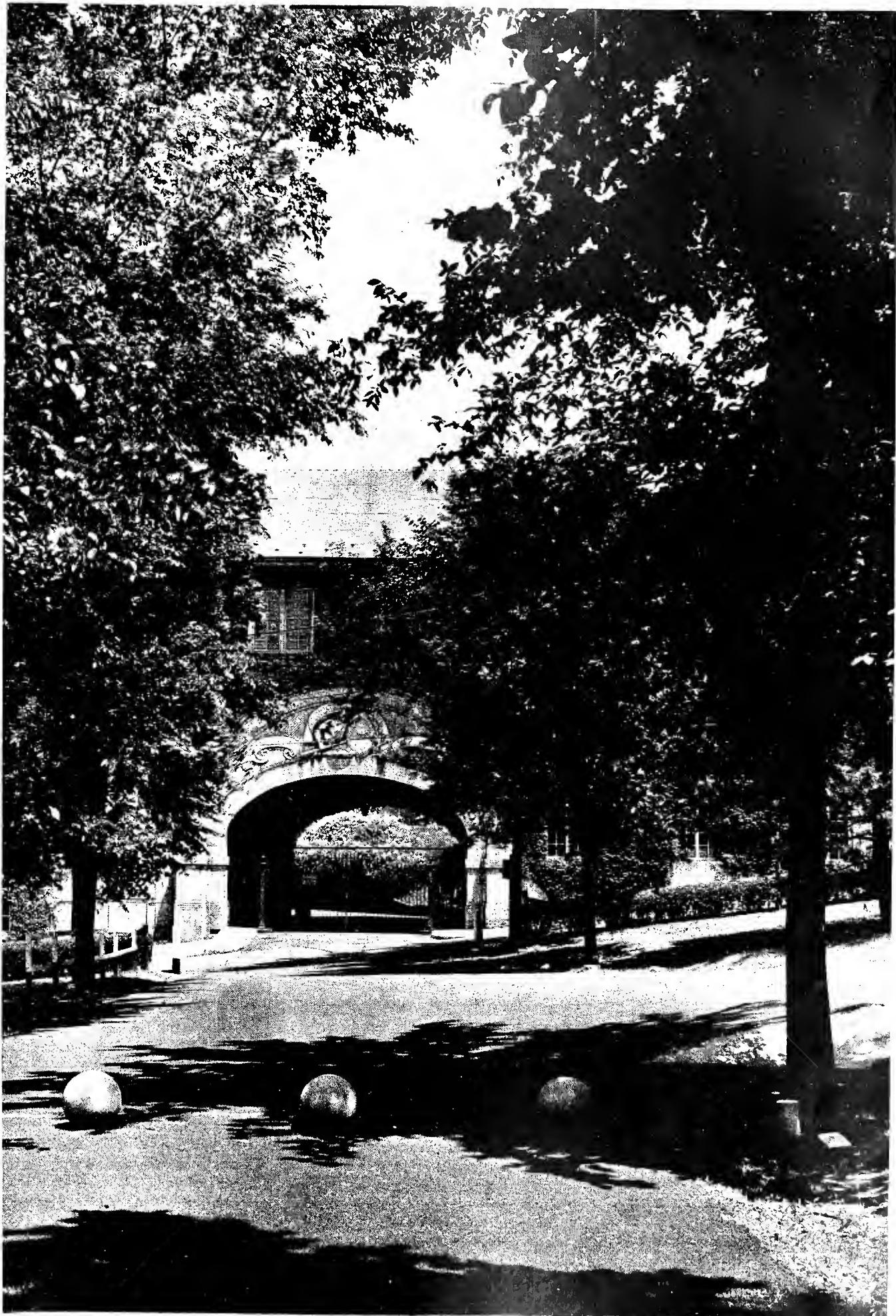
Principal speaker from the campus will be Dr. Wilson L. Godshall, associate professor of diplomatic history and International Relations. An acknowledged expert in his field, Dr. Godshall will speak to the club on the "Basic Factors in the Far Eastern Situation."

Northern New Jersey

Sixty-nine couples attended the fourth annual mid-winter dance of the Northern New Jersey Lehigh Club held February 28 at the Rock Spring Country Club in West Orange, New Jersey.

Until the small hours of the morning music for the dancers was furnished by Alan Clay and his orchestra. Prior to the dance several of the club members entertained their guests at cocktail and dinner parties.

Officers of the Northern New Jersey Club include Larry Kingham, '25, president, and Arthur H. Loux, '35, secretary.



LEHIGH-Middle Three champions in three sports—wrestling, basketball, and rifle. That's the record established during the winter months by Brown and White campaigners, who after a slow start came forward with a rush to trounce traditional foes.

The grapplers under Coach Billy Sheridan had little trouble retaining possession of the title which they have held for a number of years. The Scarlet of Rutgers fell 18-6, and Lafayette, with one of the best teams in years, was trounced 30-0. The rifle team, long one of the outstanding aggregations in the east had little trouble defeating both Middle Three opponents to bring another crown to South Mountain.

But the cagers, who have not won a Middle Three championship in 15 years, staged a garrison finish to snatch the mythical crown. Defeated earlier in the season by a powerful Rutgers team, the Westerman coached five came back in the last three contests to topple Rutgers once, and formidable Lafayette twice. These victories assured Lehigh of the title.

The Middle Three cage crown was firmly annexed by the Brown and White five in the final game of the season when they swarmed over the Marquis of Lafayette to win 55-35. The game, played in Grace Hall, attracted the season's largest crowd, who suddenly realized that a fighting Lehigh team had a chance for the title.

Lafayette took the lead early in the game, but two quick buckets by Binder sent Lehigh out front for the remainder of the contest. The score at the end of the first period was 10-9, and by the



SPORTS



Above: Captain-elect 165 pound John Stockbridge is shown as he took the offensive in his match with Captain Wilson, ace of the Virginia matmen.

end of the first half the lead had been increased by 12 points. Early in the final period, the Engineers gave an brilliant exhibition when 10 points were tallied while the Maroon floundered helplessly. Midway in this session, Coach Westerman inserted his second team which more than held the opponents the remainder of the contest.

Bill Binder set a new Grace Hall record for scoring when he rang up 25 points. During the past season Binder scored 251 points or an average of 16.6 points a game. Dick Rahn, sophomore forward, whose foul shooting was amazing, placed second in scoring with 220 points. Rahn completed 42 out of 50 foul shots attempted in competition. Captain Jack Lane, the only man from the team who will graduate, played brilliant defensive ball, and also found time to register nine points.

WRESTLING

Humiliated by the University of Pennsylvania grapplers, Lehigh's matmen returned to the wars six nights later and halted the winning streak of the V.M.I. Cadets by turning in a 15-9 verdict. This was the fourth time the two teams met, and the Cadets are still seeking their initial triumph.

Defeat or victory in this meet hung on the outcome of the heavyweight bout between Whit Snyder and Demmler of the visitors. Trailing 12-9 as the last bout started the Cadets needed a decision to tie the match and a fall to win.

Demmler, one of the southern aces, far outweighed Snyder, who tips the beam at scarcely more than 175 pounds. Notwithstanding this weight handicap, the Lehigh sophomore tore into the Cadet, and earned the plaudits of the crowd when he was awarded a 10-3 decision to clinch the meet for Lehigh.

All of Lehigh's victories were awarded on decisions. Point winners in this meet included Roy Zachey, 128-pounds; Ken Swayne, 136-pounds; Bob Bird, 145-pounds; Captain Dick Brenneman, 175-pounds; and Snyder in the heavyweight bracket.

Undefeated in dual competition Rutgers' wrestling team invaded Grace Hall seeking a cherished victory over the Brown and White matmen, but had to return to New Brunswick with six points, all that an aroused Engineer team would yield in a meet that saw Lehigh garner six of the eight bouts to win 18-6. Not a single fall was scored in the entire meet, but in rolling up points, Lehigh's decisions were won by substantial margins, while the two garnered by the Scarlet were decidedly close.

As in the meet with V.M.I. the heavyweight bout was one of the best of the meet. Snyder, who spotted Ralph



BILL BINDER

"sets a new scoring record"

P A R A D E



Center: Another Virginian runs into the split scissors; Right: Scranton proves too much for the cagers in a thrilling overtime clash at Lehigh.

Schmid, Rutgers' behemoth, more than 40 pounds, waged a gallant and plucky battle, and the Lehigh cheers rolled out despite the fact that he lost a 7-4 verdict.

Winners for the Engineers included: Sheridan Bannon, 121-pounds; Roy Zache, 128-pounds; Ken Swayne, 136-pounds; Frank McKenna 155-pounds; John Stockbridge, 165-pounds, and Captain Dick Brenneman, 175-pounds.

Conceded little chance of winning, the Brown and White wrestlers threw a scare into their traditional foes from Penn State before bowing 17-13 in one of the best meets staged in Grace Hall this season. Boasting a team of smooth working veterans, the Nittany Lions invaded the campus with only a single defeat to mar an otherwise perfect record.

By winning the first four bouts on decisions, the Blue and White assumed a commanding 12-0 lead before Lehigh broke into the scoring column. Frank McKenna, aggressive 155-pounder, renewed the hopes of Lehigh cohorts when he won a 7-4 decision over Fayre of State, and then John Stockbridge extended his winning streak by flattening the shoulders of Henry in two minutes and one second of the second period of the 165 pound encounter.

This victory reduced State's margin to 12-8, and a few minutes later the partisan crowd broke into a frenzy of cheers as Captain Dick Brenneman sent Lehigh into a 13-12 lead by pinning Bob Morgan in two minutes and three seconds of the initial period.

The meet hinged on the result of the heavyweight battle between 180 pound Whit Snyder and Penn State's 225 pound behemoth named Kerns. The latter a veteran campaigner easily took the lighter Snyder to the mat, but soon realized he had caught a firebrand, as the Brown and White sophomore struggled mightily to evade several pinning holds. But finally after one minute and forty seconds of the third period had elapsed Kerns pressed his opponent's shoulders to the mat for the important five points that spelled victory for State.

A vastly improved wrestling team played host to the Leopards of Lafayette and scored a 30-0 victory to retain the Middle Three mat title. From the outset it was apparent that the improved grapplers from down the river were still no match for the Engineers.

Winning the first four bouts on decisions, Lehigh further increased the margin when Frank McKenna scored a fall in 3:21 of the 155-pound bout, and a few minutes later John Stockbridge tossed Gilland to clinch the 165-pound verdict. In the 175-pound division Captain Dick Brenneman was complete master of his opponent but could

not score a fall and had to be content with a 16-5 decision.

The matmen concluded their dual meet season by traveling to Princeton and administering a surprising 16-14 defeat to the Tigers. This victory enabled Lehigh to finish on the top side of the ledger with five triumphs, four defeats and one tie.

The Tigers were slightly superior in the middle weight bouts and seemed destined to win until John Stockbridge scored a decision in the 165-pound class, and then Captain Brenneman came through with a fall over Princeton's John Blake to provide Lehigh's margin of victory.

BASKETBALL

With Dick Rahn and Bill Binder providing the fireworks, Lehigh's cagers scored an easy 55-37 victory over the Drexel five. The half time score found Lehigh out in front 27-19, a comfortable lead that was never threatened.

After a slow first half, the Engineer sharpshooters found the basket and the game rapidly became a rout. Rahn with nine field goals and three foul shots paced the scoring with 21 points, while Binder tallied seven baskets and four foul goals for 18 points.

Trailing by ten points at half time, the cagers of Scranton staged a brilliant rally to send Marty Westerman's protégés into a 70-65 defeat in a fast game that went into an overtime period. The score at the end of the regulation four periods was deadlocked 61-61. Two quick baskets scored by Kelly of the Tomcats put Scranton into the lead which they held until the end of the



DICK RAHN

"his foul shooting amazing"

overtime session. Ejected from the game mid-way in the second half because of personal fouls, Bill Binder, and Dick Rahn again sparked the Lehigh attack, with 22 and 19 points respectively.

The cagers regained the winning trail a few nights later when they upset a highly favored Rutgers quintet 53-51 in another overtime tilt. Rutgers, earlier in the season, came to Lehigh and administered a 54-46 lacing to the Engineers.

Trailing 15-9 at the end of the first period, the Brown and White fought back and cut the advantage to 23-21 at the end of halftime hostilities. Led by Rahn and Binder they surged ahead to lead 36-32 at the close of the third period. A nip and tuck final session saw the Scarlett tie the score at 49-all a few seconds before the game ended.

Captain Jack Lane assured his mates of victory in the closing minutes of the extra period by caging a field goal. Rahn led the Lehigh attack with nine baskets and six fouls for a total of 24 points, while Binder counted five goals and two fouls for 12 points.

Ability to convert tosses from the charity stripe accounted for the Engineers 41-35 victory over Lafayette in the first of two games. Lehigh's cagers sank 15 out of a possible 22 foul shots to hang up a modern record for the Lafayette gym.

For the first time this season the high scoring pair Dick Rahn and Bill Binder were held to less than 12 points. The former garnered 11 points, while Binder scored only seven. The Engineers held a 13-8 lead in the first quarter, and at half time were out in front 20-14.

SWIMMING

Taking six of the nine events, the Brown and White swimmers easily defeated the natators of Gettysburg 50-21. As in other meets this season Dave Schaper, ace sprint man, continued to splash water in opponents' faces as he romped home in the 100 yard free-style event. Captain Ralph Moss, who competes in the 50 yard free-style race finished ahead of Frank Chidsey, a teammate, while Gettysburg placed a poor third in this event.

Rutgers, reputed to have one of the best swimming teams in the eastern sector, scored a 41-34 victory over the Chalmers aggregation by winning five of the nine events in a meet held in the Taylor pool. Again Dave Schaper scored the bulk of Lehigh's points by winning the 100 yard free style event to maintain his undefeated record, taking

first in the 220 yard race, and swimming anchor on the 400 yard relay team which defeated a powerful Rutgers quartet by five yards. Lehigh's other first place winner was Jack DeGrouchy who won the 400 yard free-style event.

Wrestlers Place Fourth

The Brown and White matmen finished in a tie with Princeton for fourth place in the Eastern Intercollegiate mat tourney held at State College. Penn State, Penn and Navy finished ahead of Lehigh.

The Engineers, unable to win a title, placed two men in second positions. Sheridan Bannon surprised everyone by garnering the runner-up position in the 121 pound class, while Frank McKenna did likewise in the 155 pound division. Captain Dick Brennenman, injured early in the tourney forfeited his right for second place laurels after being defeated in the finals by Penn's Dick Di Battista.

Paced by Dave Schaper, who won his fifth consecutive 100 yard free-style race, Lehigh's mermen defeated the Swarthmore swimmers 42-33. Schaper also cracked the Taylor pool record for the 220 yard free-style event when he covered the distance in 2:29.5. Chan McKaig, lone Lehigh diver, won his third straight contest, finishing ahead of two Garnet entries.

Other Brown and White winners were Jack DeGrouchy in the 400 yard event, the 300 yard medley relay team, the 400 yard relay team, and Francis Chidsey in the 50 yard free-style race.

Traveling to Easton the mermen dropped the final meet of the season to Lafayette 44-31 despite the fact that Dave Schaper breezed home in the 100 yard free-style event to keep his record clean for the dual season. Lafayette garnered six of the nine events, and completely dominated the pool except in the free style races.

HOCKEY

Displaying a wealth of speed and power the Engineer skaters overwhelmed a hapless LaSalle team 7-1 to assume possession of second place in the Eastern Pennsylvania Intercollegiate Hockey league. The victory assured Lehigh of a place in the final playoffs for the title.

There were no individual stars in

this contest as the Brown and White icemen clicked with regularity, and the defense repelled all but one assault on the net. Alex Wiggin, Bob Smith, Lys Frost are now tied for team leadership in scoring with five points apiece.

Traveling to Washington, the pucksters dropped a 3-1 verdict to the Hoyas of Georgetown who concluded their season undefeated. The Lehigh team played brilliant hockey but was unable to compete with the experience of the victors. A Washington scribe remarked that Lehigh was the best drilled team to oppose the Hoyas this season.

Due to the cancellation of the Spring Vacation and the establishment of an early graduation date, the Athletic Department has been forced to revise portions of the spring athletic schedule and as a result all sports events scheduled after May 18 have been shifted to earlier dates. Three baseball games have been cancelled, and the track meet with Lafayette has been changed to April 25. This may mean that the team will not be represented in the traditional Penn Relays.

Following are the revised schedules:

Varsity Baseball		
April 4	Lafayette	Home
April 7	Vermont	Away
April 8	Dickinson	Home
April 10	Princeton	Away
April 11	Colgate	Home
April 14	Manhattan	Away
April 15	Temple	Home
April 18	Muhlenberg	Away
April 22	Gettysburg	Away
April 25	Rutgers	Away
April 29	Muhlenberg	Home
May 2	Rutgers	Home
May 9	Lafayette	Away
May 13	Drexel	Away

Freshman Baseball		
April 15	Hill School	Away
April 18	Wyoming Seminary	Home
April 22	Lafayette	Home
April 24	Mercersburg	Home
April 25	Rutgers	Away
April 28	Pennington	Away
May 2	Rutgers	Home
May 6	Blair	Away
May 9	Lafayette	Away

Varsity Tennis		
April 11	Haverford	Away
April 17	Penn State	Home
April 22	Gettysburg	Away
April 25	N. Y. U.	Away
April 28	Lafayette	Away
April 29	Manhattan	Home
May 2	Swarthmore	Home
May 6	Temple	Home
May 9	Rutgers	Home
May 12	Muhlenberg	Away
May 13	Pennsylvania	Away

Freshman Tennis		
April 22	Blair	Away
April 28	Lafayette	Home
May 2	Wyoming Seminary	Home
May 6	Muhlenberg	Away
May 9	Rutgers	Home

Varsity Track		
April 11	Swarthmore	Home
April 18	Muhlenberg	Home
April 25	Lafayette	Home
April 28	Haverford	Away
May 2	Rutgers	Away
May 8	& 9 MASCAA	Away

Freshman Track		
April 11	Swarthmore	Home
April 26	Lafayette	Home
May 2	Rutgers	Away

Chrome-moly steels speed production and lower costs



A manufacturer of speed reduction gear pinions is taking advantage of two of the outstanding advantages of Chromium-Molybdenum (4140) steel — uniform hardening in heavy section, and excellent machinability at intermediate hardnesses.

Pinion and shaft are machined integral from a 4140 round oil quenched and tempered to about 150,000 p.s.i. tensile and 300 B.H.N.

Uniformity in hardness of the heat treated bar assures adequate strength in the shaft even though its diameter is only about half that of the pinion. This integral construction eliminates an assembly operation and makes for better performance.

Our booklet, "Molybdenum in Steel," contains helpful data on Molybdenum steels. It will be sent without charge to interested students and graduates.

CLIMAX FURNISHES AUTHORITATIVE ENGINEERING DATA ON MOLYBDENUM APPLICATIONS.
MOLYBDIC OXIDE—BRIQUETTED OR CANNED • FERROMOLYBDENUM • CALCIUM MOLYBDATE

Climax Molybdenum Company
500 Fifth Avenue, New York City

FOLLOWING THE Lives OF LEHIGH MEN

CLASS OF 1889

*George W. Harris, Correspondent
12 Holland Terrace, Montclair, N. J.*

Cutting through all red tape and getting right down to the business of the day I have the extreme felicity to announce the safe arrival of certain '89ers' on their trek to Florida to various bases on the east and west coast of that friendly state—at this time of year—my experience in the northern central part of Florida quite a number of years ago during the fateful months of June and July, reminds me of Diebitsch's comment about a dry-dock job he was on in South Carolina, as "a good place to come from".

But, however that may be, on with the show. From "usually reliable sources of information" comes the following interesting news: Last January, Frank and Mrs. Carman went south and are now at 3146 Prairie Avenue, Miami Beach, Florida. A very good letter from Arthur Hugh Frazier notes that he and his wife are spending the winter in Florida in order to be near their daughter who is attending school there, the Fraziers living at 1675 Micanopy Avenue, Coconut Grove, Miami, Florida; he writes: "Sarasota, where James Stewart '89' is now located, incidentally is the most attractive spot I have found in Florida, its one drawback being inaccessibility. This is not of much consequence for those who motor. The Ringling Art Gallery at Sarasota, the building that houses the collection is one of the most beautiful I have ever seen; you might imagine yourself in Florence or Rome". Frazier spent one night and the following day in Bethlehem at the time of Lehigh's 75th Anniversary and he enquires, "Why did so few graduates and undergraduates show up for the beautiful choral service in the Chapel on Sunday, October 5th, 1941?"

At this writing James Stewart is at 132 Sunset Avenue, Sarasota, Florida, which is on the Gulf side of the State and about 25 miles south of St. Petersburg where Ralph Barnard made his headquarters in former seasons. Writing from Washington, Barnard says, "We are having a wonderful time here trying to keep abreast of the times. There is something new every minute and we are not getting very far except in the way of appropriating money."

Here the curtain falls and the show is over.

CLASS OF 1890

*H. A. Foering, Correspondent
Bethlehem Trust Bldg., Bethlehem, Pa.*

A fine letter has come from Brownsville, Texas, from good old Barclay who says he is retired and living a quiet life. Who would believe that of George.

In a letter from Sherman, he says that he meets many Lehigh men each January at the annual meeting of the American Society of Civil Engineers, which Sherman never misses. Among others this year was Dr. C. C. Williams. Potter, while living, always arranged for a Lehigh dinner during the meeting. Good old Perk was there with his inimitable smile. Sherman is very busy with eight jobs for the Defense Program.

A letter from Riddick's daughter, Anna, contained the sad news that Mrs. Riddick died in January. We knew Mrs. Riddick quite well, a most lovable, charming woman. Riddick is confined to his bed at present, but his indisposition is not serious.

A letter just received from C. A. P. Turner says Mrs. Turner passed on last November. The sympathy of all in the class goes out to both of you.

I am quoting the following from a paper Turner encloses, entitled, "The Columbus Engineers Club Sponsor Prize Competition For Finding The Mechanical Equivalent of Elastic Reactions And Solving Problems of Attraction".

"Colleges today promote memory culture to the exclusion of analytical thought culture. The fashionable pedagogue confounds the students' conception of natures problem of memory culture in errant dark age hypotheses developed by differential equations! Einstein is regarded as leader of this cult in the light of his exulted claim of mathematical ability when, as a matter of fact, his knowledge of country school arithmetic is insufficient to compute the radius of earth from its time of rotation and variation of acceleration with latitude. Properly instructed in use of the slide rule, this calculation should be performed by an engineering student in twenty seconds flat!"

To promote analytical thought culture, the Columbus Engineers Club sponsor a prize competition, and as committee chairman, have been working with boys at O. S. U. in its presentation. Enclose preliminary draft; any constructive criticism from Dr. Williams and his faculty will be appreciated.

I desire to bring to the attention of our class that the idea of Class Agents is not new. The purpose is to give life and opportunity to the latent feeling of love for one's Alma Mater, and to its expression in the form of annual gifts for her support. Nearly all colleges are using the identical plan. The latest Class Agents report from Yale University, which by the way inaugurated its Class Agents System in 1890, shows that Yale has approximately 31,000 graduates, and of these over 10,000 contributed in that year. Yale, Lehigh, and most others are working to the end that each one give annually what he feels he can afford. Annual gifts is the central thought.

CLASS OF 1891

*Walton Forstall, Correspondent
11th Avenue, Rosemont, Pa.*

Your correspondent in his capacity as class agent, was in Bethlehem, February 28th. It was a pleasure to dine in Lamberon Hall and reflect that its conveniences and attractiveness had been made possible by many individual gifts in which '91 shared. Also to see from the list of this year's gifts to Lehigh, that '91 was well represented. However, about half the class has not yet responded, and they are urged to give thought to what Lehigh did for them in our days of free tuition and as they may to help Lehigh today. While Lehigh needs every dollar, she needs still more, the interest shown by any gift.

CLASS OF 1892

*H. H. Davis, Correspondent
132 Liberty St., Newton, Pa.*

Although spring is rapidly approaching it is not furnishing me with the usual (?) flow of new and brilliant ideas. War conditions are calling for the latent abilities of every one as well as all the surplus cash that may be laying in a more or less careless manner that it is now necessary to begin rationing the expense account.

I was in Philadelphia the other day and called on Bob Klatchel and he and his family are well.

Since I have not been writing to the members of my class, I have no information to supply in regard to most of them.

Brady seems to be the only one that seems to be very active in class affairs.

I hope Charley Wood will forgive me for not being more communicative with him, but I guess I am more easily depressed than I used to be. I feel the lack of resilience in my system.

CLASS OF 1894

*T. G. Empie, Correspondent
P. O. Box 772, Wilmington, N. C.*

Last month "Beiny" told us it was cold in Vermont and to add my bit, I will say that it is cold here. Outside of this the only class information I have is a letter from Shepherd saying that he is in Detroit working with an Engineering Firm who are taking jobs all over the Country, and whether he will be in Texas, Ohio or Detroit, he doesn't know.

If anybody knows anything, my address is at the head of this letter.

CLASS OF 1895

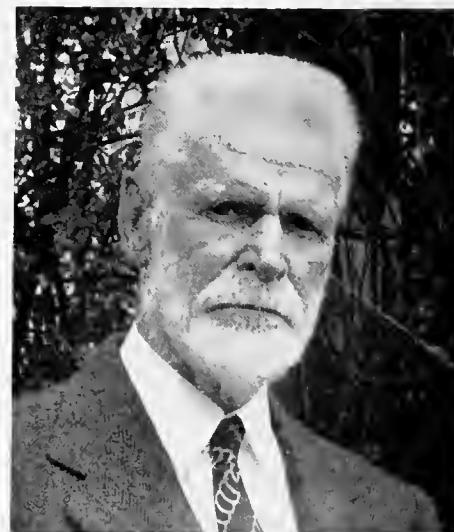
*Walter R. Okeson, Correspondent
Lehigh University, Bethlehem, Pa.*

Well! Well!! Well!!! Believe it or not—your class correspondent has actually received several letters from his classmates which having been answered justifies his title.

I made up my mind that I would say nothing this month about "Gifts to Lehigh" so I will let Eddie Ferriday say it. In a recent letter he adds a postscript reading, "I trust '95 will come through relatively as well as the other classes so we are not ashamed of our interest in Lehigh". Righto, Eddie, we will make the other classes ashamed when they look at '95's record. "We've done it before. We can do it again!"

I had a letter from Brigadier-General A. T. Ovenshine, U.S.A. Retired, written from 304 Genesee Road, San Antonio, Texas. He tells me he was retired from the Army on June 30, 1937, for age after over 42 years of service. You will remember he resigned from college in order to enter the Army. Says he gets "considerable pleasure in reading the BULLETIN and hearing about the boys of over 50 years ago."

Bob Tarleton is now living at Dwight Lane, Great Neck, N. Y. He writes that he has three children, Gilbert, Mary and Robert, Jr. Bob was graduated at Johns Hopkins before coming to Lehigh. No wonder he was such such a good lacrosse player. Baltimore was a red-hot lacrosse center in those days and Hopkins, you will remember, had great teams.



ROBERT M. TARLETON

You, no doubt, read the obituary of our classmate, "Slim" Murray, which appeared in the March issue of the BULLETIN. No one was more popular in our class than was the well-beloved "Slim". I could write—any '95 man could write—a glowing tribute to this giant in stature, personality and ability. None of us could possibly do the job as well as has Kappella in a letter received by me two weeks ago. Here it is:



"FOSSIL FUEL" for Anglo-Saxons

Viking raiders were terrorizing the English coast at will, were bold and strong enough to capture London in 851 A.D. . . . until the *Bretwalda*, Aethelwulf of Wessex, annihilated a whole army of invaders at *Aclea* in the first important English victory.

One year later Anglo-Saxons were speaking of the pit coal they called "fossil fuel." Natural pressure over millions of prehistoric years doubtless fostered this Old-English name for Anthracite.

Deep in the veins of the Panther Valley deposits, Nature had also exerted her tremendous pressure to create the hardest of hard coal—Old Company's Anthracite.

The hardy pioneers who founded The Old Company won a great victory, too . . . a triumph of navigation over the shallow Lehigh River which had defied an economical

means of transportation to city markets, over the public distrust in "worthless stone coal." Thanks to their vision and perseverance, Old Company's Anthracite was turned into man's modern, dependable servant.

Today, this longer-burning fuel, in abundance and at a price which puts home-heating comfort within the reach of everyone, now provides steady, even, economical heat to thousands of American families.



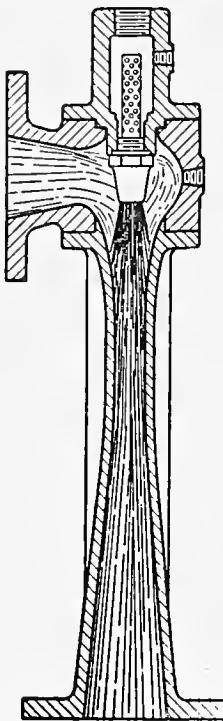
LEHIGH NAVIGATION COAL COMPANY INCORPORATED

The Old Company



Main Office:
FIDELITY-PHILA. TRUST BLDG.
PHILADELPHIA, PA.

STEAM JET EVACTORS



AIDING NATIONAL DEFENSE

Numerous Croll-Reynolds Evacators are working overtime maintaining high vacuum in plants making explosives, synthetic rubber, airplane lubricants and a long list of other ordnance materials. They are maintaining high vacuum on engines and turbines of dozens of American ships sailing the seven seas.

While the large and special units require up to three months or more for fabrication the smaller ones are sometimes made in two weeks, or less, when the demand is urgent. These include single and multi-stage units for vacuum up to a small fraction of 1 mm. absolute, also small condensers and vacuum chilling equipment.

A recent development is a vacuum-cooled condenser for maintaining condensing temperatures down to 34° F. Inquiries will be handled as promptly as possible under the circumstances.

CROLL-REYNOLDS COMPANY

17 John St. 20 N. Wacker Drive
New York Chicago

S. W. CROLL, '10

1343 West Pike St.,
Philadelphia, Pa.
Feb. 22, 1942

Dear Okey:

I observed with genuinely deep sorrow, in the American Institute of Electrical Engineers *Transactions* of February, 1942, the obituary of our popular classmate "Slim" Murray, and I am moved to write a few line for you to spread forth in the Lehigh BULLETIN if you so desire. (He died Jan. 9th.)

I was by room-juxtaposition in the South Bethlehem Post Office Building dormitory (owned by Al Brodhead of the class of '88) pretty close in our daily life to "Slim" and taking the same course (Electrical) as he was thrown into still further contact.

He was not only a *character*, he was a *genius* for original thinking and spontaneous action. I do not know when his birthday occurred, but I'll wager he was born sometime in February for he was from an astrological point of view a natural leader, a fact enhanced by his slender long-legged height—I believe it was 6 ft. 6 inches.

Some of you fellows remember "ALI-BABA AND THE 40 THIEVES" production (in 1894, possibly of the Mustard and Cheese). Well, "Slim" was IT and as he stalked around to the song of

You're a beauty, my boy, you are, you are,
by the beard of the Prophet 'tisso.

Like a palm tree, you tower, in the pride
of your power.

The very biggest thing in all the show:
You swear by the Kaba, you quote the
Koran.

And you never get drunk, when you're dry;
Your morals domestic are safe to gamble
on.

But you think you're remarkably fly.

(Excuse mistakes as it is from memory)
he was a scream ranking with DeWolfe Hopper if he had ever taken a regular histrionic career.

But when it came to tennis or LACROSSE he was IT doubly and trebly emphasized. From "tip to tip" of his extended right arm he held the lacrosse racquet to his lefthanded position after quickly changing as he scampered with his (it seems to my memory) long-legged ten-foot jumping strides, to be almost spanning a tenth of the field in his stopping the progress of the hard rubber ball.

How vividly do I recall, too, his manner of sleeping when the season of the year permitted, his slender calves and long feet hanging over the footboard of his bed, for he otherwise was so cramped up that he was not comfortable. His roommate was for a while Ridge-way from Annapolis.

Then later in 1902, or 1903, when I was in charge of INDUCTION MOTOR TEST in the General Electric Company Testing Dept., I recall his coming on a business visit to Schenectady and into our building to look me up. I can still see him, as he appeared, 150 feet away coming up the aisle among the running machinery, waving both his hands high over his head to attract my attention in his enthusiastic way. Most of you men who attended so regularly, the June Reunions remember him better of later years, but to me those days, nearly 50 years ago, of 1893, 1894 and 1895, are outstanding with the recollections of his remarkable personality. A truly great popular fellow whose memory will never die among his admiring classmates.

Have been staying in Philadelphia this winter and have not seen the Lehigh BULLETIN for a long while. Guess I have missed three numbers.

With warm regards.

(Sgd) A. SOMERS KAPPELJA

CLASS OF 1896

W. S. Ayars, Correspondent
269 Leonia Avenue, Leonia, N. J.

Having written that heading, I am wondering what to do next. Only yesterday I got a nice little note from the current lady member of the BULLETIN staff who rides herd on us poor class correspondents and she tells me that the "class notes" are due on the second day of March. That looked a long way ahead when I first read it; but when I looked at the calendar and recognized that February has only 28 days, and this, Friday, at 10 p. m., is the 27th, it struck me that I had better get busy. I was late not many weeks ago, and for once '96 had no column; I'll try not to fall down that way again.

The only letters I have had recently weren't actually '96 letters at all; one was from Rosie Thorn, who is of '97 by adoption, and the other one was from Pop Pennington, who is '97 because he couldn't help it. Pop didn't even write a real letter; he wrote one of those snooty notes on a correspondence card, and he dated it 2-18-42, or 18-2-42 and said, "I don't know if the lower dating is that heathenish one you prefer or not." And that's because I use on Pop, as on all of my correspondents, the logical method of dating, which, of course, is day, month and year. Hence Pop's 2-18-42 becomes 18 Feb. '42, or more simple still, 18F42. That used five characters instead of 27 and puts a letter (or letters) between figures. In Europe, when only figures are used, the day of the month comes first, then the number of the month, and then the year. Thus 2-3-42 means one thing in France and something different in the United States. When two or more months have the same initial letters, two letters are used; thus, Ja. Je Jy are used for January, June and July. Whenever Pop can't find anything else to argue about, he assails my dating system. It's a very good system, and was invented by Melville Dewey. He of the Dewey decimal filing system when I believe he was librarian of Congress and he didn't pinch hit on the side as any poet laureate either.

CLASS OF 1897

J. H. Pennington, Correspondent
P. O. Box 159, Trenton, N. J.

One of the bright spots in the February BULLETIN was the letter to Bill Ayars, who did not deserve it, from Johnny Best, '95. I am sure that we all know Johnny Best. We never called him Johnny nor Best, but as far as I know, we always linked the two names together when speaking of him. And speak of him we did, as you know. He was one of the scintillating lights on the football team of his day. In addition to his prowess as a warrior, he was much in evidence because of his luxuriant crop of hair. As we all know, the teams of our day did not wear the armor that is worn today. That is, the makers of equipment did not sense the gold mine within their reach. They did wear shin guards, which were really necessary and how! They did not, however, wear the elaborate helmets of today, the forerunner of the brass hats, so fashionable in Washington. Instead of wearing those hot and heavy helmets, we let our hair grow, which meant an efficient pad for the protection of what brain we were supposed to carry around. Well, when Johnny Best let his hair grow, it did just that. He immediately became the envy of the seven Sutherland sisters. Remember them? Johnny Best's hair even got into print, and I quote from the '96 Epitome, under the caption "Important Events of the year '94-'95" as follows:

December 8. Johnny Best thinks of getting hair cut.

January 30. Johnny Best decides to get a hair cut.

April 6. Johnny Best gets a hair cut.

I lost my '96 Epitome years ago, but I remembered the above chronicle and Bob Laramy '96, located it for me, for which Bob has my undying gratitude. Bob says that no mention is made of the price Johnny paid for his hair cut, but Best articles command a good price. We have forgiven Bob for that one.

P. S.—I don't care if the band does need more sousaphones.

CLASS OF 1898

David H. Childs, Correspondent
334 Saranac Ave., Buffalo, N. Y.

I'm sure you will all want to see this letter from Mrs. Riegel: "Though I have been a very long time in thanking you and the Class of '98 for their kind sympathy I did appreciate it very much. I remember meeting many of Ben's classmates at the reunion in 1938. Won't you please extend my thanks and appreciation to them all!"

Two of Ballard's sons have had typhoid recently which he charges to the dust raised in working a grain combine long hours, and one of these was in an accident which put him in the hospital for five weeks.

Gratz writes that he hopes to get to Bethlehem next June. He says also that during the cold weather his fuel oil tank leaked, and for two days there was no heat in his house. Lindsey and Roper had a visit not long

NORTON ABRASIVES



NIGHT LIFE... at a grinding wheel plant

The new Plant 1 (left) replaced the original building at the Norton plant in 1939.

The new Plant 3 (right) replaced the former building in 1938.

New Abrasive Storage buildings in 1941.

Total additional floor space, 7.6 acres, completed this year.

New tunnel kilns, new facilities, larger payroll, day and night operation, have stepped up production.

NORTON COMPANY, Worcester, Mass.

BEHR-MANNING DIVISION, TROY, N. Y.—Abrasive Paper and Cloth

WHEN IT'S AN ABRASIVE PROBLEM, CALL IN NORTON ENGINEERING



NORTON COMPANY
WORCESTER, MASS., U.S.A.

ago, talking over old times. Jim pointed out to Cy where he had mauld two inch stakes into ballast on the Lehigh Valley Railroad in the summer of 1897. And it was hot. He says his Math did not help him a bit.

Roper is helping his brother, Philip, Lehigh '07, in the lumber business, getting out dimension stuff for the government. There is a large camp nearby, and Cy speaks with feeling of the high type of young men in training there.

A funny thing. Wooden wrote me recently to ask if we had a classmate at Rome, N. Y. Not knowing any, I couldn't tell him until three days later, when I had a line from Paddock, dated Rome, that he was there helping with the army airport construction. Wooden adds, with a dash of his humor, "Will not be long now until we start digging, you in your garden and I on the golf course".

Schwecke tells me that two of his nephews are employed in the ordnance depot, and one in the navy yard. The navy yard employs 12,000 skilled ship builders, besides 4,000 for plant construction and maintenance.

Jack Gannan is still with the British Purchasing Commission; his address is now 16 East 96 St., New York City.

E. H. Waring's address is changed to 28 Hamilton Road, Glen Ridge, N. J.

Shepp sends me a very interesting letter which I do not feel at liberty to print without permission from the Army, but if you want a copy I will be glad to mail it to you. Shepp certainly knows how to tell a story.

Keep up the good work, fellows. This is your column, so long as the matter is fit and proper to print.

CLASS OF 1899

Arthur W. Klein, Correspondent
43 Wall St., Bethlehem, Pa.

The class agents of the various alumni classes met at Lamberton Hall on Saturday evening, February 28, and had dinner together. This was followed by a discussion as to the best method of soliciting subscriptions to the Alumni Fund. Opinions differed widely as to

the methods to be pursued but all agreed on the importance of the Fund and the necessity to keep the Fund growing. It shows all the signs of healthy growth at the present time.

In view of the fact that Bill Gummere, '99 Class Agent, was unable to attend, I acted as pinch hitter for the Class.

There is the usual dearth of news concerning the Class. One of our members sent me interesting material last month in connection with his travels in distant lands. It would be wonderful if at least one '99 man should furnish me with news each month. The class column would then be as interesting as it was intended to be.

CLASS OF 1901

S. T. Harleman, Correspondent
110 Wesley St., Bethlehem, Pa.

We learn from Bob Herrick's office that Henry Jarvis Moore called there a couple of months ago. Henry's address is 877 Garfield Street, Nashville, Tenn. We have not heard from Moore in about 40 years and regret very much having missed seeing him. Now that he knows the way, perhaps he will not wait for another 40 years before visiting the campus again.

For many years we have been sending letters, announcements, etc. to Ernesto Franco in Venezuela and Ecuador. Now we learn that he is located with the Ford Motor Co., P.O. Box 5087, Christobal, Canal Zone.

Had a chat with Cad Evans in the Hotel William Penn, Pittsburgh, a few weeks ago. Had a chance to discuss class contributions to the Lehigh Alumni Fund.

It would help a lot if you readers of this 1901 column would drop us a line now and then about yourselves or others of the class with whom you have come in contact.

CLASS OF 1904

Edgar M. Mack, Correspondent
1501 Beech St., McKeesport, Pa.

The crop of letters from the Class has fallen down this month. A number of men have not responded to the emergency call.

The men who have not responded are now

notified to write me on or before April first 1942. At April first delinquents will be turned over to a committee for court martial. The committee is Don Packer, Chairman; Kink Johnson and Herb Hartzog. This is final notice.

"Legs McCleary responds:

I haven't any hobbies at the present time, except trying to bring up a granddaughter in the most spoiled fashion possible. I have given up golf but as a matter of fact the game gave me up a long time ago, so I decided to make it unanimous. There is little time for hobbies these days trying to keep plants properly operating in the face of priorities and the many difficulties surrounding the obtaining of various materials in proper volume to allow for operations to meet various customers' demands. To say the least, these are very trying days.

I was very sorry indeed not to be able to get back in June to Edgar's little party as I know I would have enjoyed it immensely. To me the meeting of the old gang in Bethlehem occasionally is one of the outstanding events to which I look forward, and if my letter fails to do anything else, I would like to impress on everyone to make plans now to attend our next reunion. If you have not previously attended, I will say you have missed the real treat of your life.

Before you go on Social Security, you should attend one of these reunions and I venture to say that it will enhance the value of whatever little Social Security you may have to enjoy. I have heard some old Grads say that their "Rah Rah" days are over and their interest in the old days is over, but after talking with them I could see their viewpoint, but couldn't agree with it. To put it mildly, their outlook on life is narrow and they are missing much. A good cure for this is to come back and sit around and put their feet under the table and enjoy the spirit or spirits that may be there, and which will be theirs for the asking.

The distress signal is out for the May issue of the ALUMNI BULLETIN. Do your duty.

You Can Expect
**MAXIMUM RESULTS FROM
FLUORESCENT LIGHTING**



When You Specify

BENJAMIN FLUORESCENT UNITS

Fluorescent Lighting is the greatest advance in illumination since the invention of the incandescent lamp. Men of Industry and Commerce have been quick to recognize the manifold advantages of this cooler, more comfortable and economical Daylight lighting.

The same engineering excellence and high quality construction which have made Benjamin the leader in lighting and flood-lighting reflectors for Industrial and Commercial use are now to be had in Fluorescent Lighting Units . . . Lighting Units that assure maximum results from Fluorescent Lighting.

Descriptive Bulletin of the many Benjamin Fluorescent Lighting Units for Industrial and Commercial use may be had by addressing B. G. Kodjbanoff, '98, Benjamin Electric Mfg. Co., 230 W. 17th Street, New York, N. Y., or to Dept. "Q" Des Plaines, Ill.

BENJAMIN
LIGHTING EQUIPMENT

Distributed Exclusively Through
Electrical Wholesalers

**Diesels,
Air Conditioning,
Steam Power Plants,
Petroleum Refineries-**
wherever water is used for cooling or condensing,
MARLEY Cooling Towers

are saving owners important money—and they
can prove savings over all other types of
equipment for the same purpose.



LARGE or Small, Types for outdoor
or indoors service
if you use water for any
cooling purpose, Marley can
save **YOU** money, too.

L. T. MART, '13; Pres.

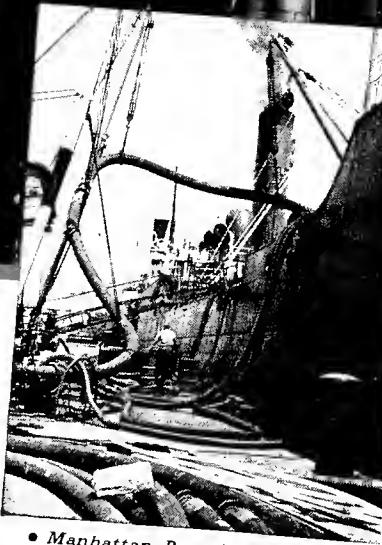


The MARLEY Company
Fairfax and Marley Roads, Kansas City, Kansas
Sales Offices or Agents in all Principal Cities

From
Earth to Air



• Manhattan Rotary Hose, Belts and Brake Lining drilling well in Texas oil field.



• Manhattan Paranite Oil Hose loading tanker at Eastern Port.

PRODUCTS for the
PETROLEUM INDUSTRY

Flat Belting
V-Belts
Rotary Hose
Pump Intake Hose
Oil Loading Hose
Refinery Hose
Fueling Hose
Tank Car and Truck Hose
Fire Hose

Stuffing Box Rings
Gaskets and Packings
Rubber Covered Pistons
Pipe Joint Gaskets
Brake Lining
Molded Goods
Asbestos Products
Abrasive Wheels
Rubber Lined Tanks

William Warr, '95
F. H. Williams, '39

A. J. Kutzleb, '13
Stewart Monroe, '22

MANHATTAN RUBBER speeds the products of Petroleum

Deep into the earth sometimes to three pressure-ridden miles—go the drills that search for the pools of "liquid gold" needed for propulsion and lubrication—twin servants of Defense. Drilling, pumping, refining, loading—all are functions in which MANHATTAN Rubber collaborates for increased production.

At the well, the use of MANHATTAN Rubber begins—Rotary Hose, Pump Suction Hose, Flat and V-Belts, Draw-Works Brake Lining, Rubber Covered Pistons, and many other necessary items—all of Rubber, but each compounded of natural rubber or Synthetic materials to fit specific requirements.

At the refinery, MANHATTAN speeds the output with special types of rubber hose for filling barrels, tank cars, tank trucks, tankers, and bunkers—and protects with fire hose.

In the air, MANHATTAN keeps them flying seven miles up in the sub-stratosphere with engineered rubber hose that withstands the extremes of intense engine heat and bitter cold—for fuel, oil, instruments and controls—and then stops them with brake lining.

Versatile Rubber, in many forms and combinations, records the long succession of MANHATTAN developments and applications to increase the output and the effective use of essential petroleum products. Some of the more vital uses were made possible by MANHATTAN'S being the first to adapt "synthetic rubber" commercially.

THE MANHATTAN RUBBER MANUFACTURING DIVISION
of RAYBESTOS-MANHATTAN, INC.
EXECUTIVE OFFICES and FACTORIES • • • PASSAIC, NEW JERSEY



CLASS OF 1905

*W. L. Lesser, Correspondent
1322 Myrtle St., Scranton, Pa.*

A note from the Alumni office shows that Mike Kuryla is located in Boston, Mass. He is Vice-President of the U. S. Smelting, Refining & Mining Company, 75 Federal St., Boston.

E. F. Saxton is a partner of Miegs, Saxton & Hewig, 80 Wall St., New York City.

Saw Henry Clay last week, he lives in Bloomsburg, Pa. and is a prominent Rotarian.

Your class reporter wrote the annual article on the Anthracite Coal Mining Industry as it appeared in the February issue of the *American Mining Congress Journal*.

CLASS OF 1907

*J. B. Carlock, Correspondent
1301 Beechwood Blvd., Pittsburgh, Pa.*

Thus far our plans for the 35th Reunion are in status quo as we have heard nothing definite about Alumni Day. At any rate if we do have it we will not burden you with any fancy regalia.

Ralph Archibald is residing at 436 E. Main St., Negaunee, Michigan.

Have had post cards from Al Hesse, Phil Macqueen and Ernest Walton, but each carefully refrained from giving any news so there is nothing to pass on.

CLASS OF 1909

*D. M. Petty, Correspondent
1900 Paul Ave., Bethlehem, Pa.*

I received so many replies to my letter of Dec. 12 addressed to all the Class that I decided to not only write the Class notes for this issue, but see that every member of the Class receives this copy of the BULLETIN.

I thank you all who wrote personal letters directly to me as well as those who replied by mailing their checks directly to the Alumni office and I assure you I shall remain your Class Agent and also see that someone writes class notes each month. I hope I can continue to deserve your confidence and support to the

**THREE ARE NOT FROM '09**

"No more than three guesses allowed"

end that we can do our part in supporting Lehigh as it appears this support is becoming increasingly necessary.

One member of our Class says he feels we should concentrate on getting every member of the Class to subscribe to the BULLETIN because if a man reads the BULLETIN regularly he will want to pay his Alumni Dues as well as make other contributions without much wringing.

I hope these notes as well as this sample copy will inspire many of you who do not now get the BULLETIN to send in your subscription at once. There are now 45 '09 subscribers to the BULLETIN. This is only 2 more than reported in my letter of December 12, but a number of old subscribers have not yet renewed their subscriptions but a number of new subscribers have taken their place, so don't fail to renew your subscription when it expires.

The Alumni Fund is growing very nicely the total figure from July 1 to Feb. 28 being \$24,659.90 as compared to \$13,936.50 for a

like period last year. Of this total '09 has paid \$271.00 or a little more than 1 percent, we should do better than this.

There are several missing addresses. If you know where any of these fellows are please advise me. Archer, Corbin, Cowgill, Havenstein and Summers.

Here is an '09 picture, can you name them and do you recognize the locale. Nobody named the last picture correctly, see if you can call this one. Three are not '09 men.

Among the letters I received none carried better tidings than that from Ernie Mervine. He advises that he is almost back to normal and that the doctors say he will be 100 percent in another year. Good work Ernie, the country needs your help in the sugar shortage now as never before. For the benefit of those who do not know, Ernie has been working for several years on the mechanical equipment needed to grow sugar beets.

I wrote Slick Wharton in the Army Engineers Corp but not many of us will be in there this time but I expect a lot of us will have sons in the thick of it. My oldest is a flying cadet and will get his commission in April. I would like to hear how many others have sons in the service.

CLASS OF 1910

*M. L. Jacobs, Correspondent
837 Tioga Ave., Bethlehem, Pa.*

We have just heard from R. D. Koplin, advising us that he has moved from Philadelphia to Glenside, Pa., and is now living at 309 Roslyn Avenue.

C. T. Bechhoefer has come East, and his new address is—Apartment 6-N, 425 West End Street, New York City.

I had a good letter from Carville Gorman the other day, advising me that he, like everybody else, is extremely busy. If there is anyone these days who is not busy, I am sure it is not from lack of opportunity.

We are very sorry to receive a newspaper clipping advising us that F. C. Gilligan died on February 5th of this year. No details were available; merely the announcement.

Dr. C. H. Rhodes, Associate Justice of the Supreme Court of Pennsylvania, may be addressed at R. D. No. 3, Stroudsburg, Pa.

A few days ago, I received a Christmas card from Cap Treat, sent from Rio Guinobatan, Masbate, Philippine Islands. The envelope had been post-marked November 26th, and there is no way of knowing where it had traveled to reach me. A letter that I had sent to Cap was returned by the postal authorities with the advice that mail service to the Philippine Islands was indefinitely suspended, so we shall have to wait and hope for news from Cap. I believe he is in one of the districts that have been taken by the Japs, and it may be he is in their hands.

Those of you who have not previously sent in either your Alumni dues, BULLETIN subscription, Students' Aid subscription or gift to Lehigh, have recently received a letter from one of the district agents, calling your attention to this fact. May I also add my entreaty for your participation in some or all of these funds; preferably all. This is your opportunity to repay the University some of our obligations for what she did for us. Be as liberal as you can, and remember that your gift to Lehigh is deductible from your income tax.

The Hotel Bethlehem

BETHLEHEM, PENNA.

**The Ideal Hotel for Conventions,
Banquets and Parties**

~~~~~

**DANCING**

*Every Saturday Night*

~~~~~

STUART E. HOCKENBURY
General Manager

~~~~~

**JOHN F. GORDON, '37**  
*Resident Manager*



**J. LESLIE KINCAID**  
*President*

**AMERICAN HOTELS CORPORATION, N.Y.**



# Harvest Home



Army and civilian morale—that powerful but intangible ingredient on which VICTORIES depend—has never gone to defeat on a full stomach. . . . An ample food supply must be maintained by the United Nations not only to build the physical strength of soldier and civilian but to preserve MORALE—that state of mind which gives willing support—that unity of purpose which WINS despite odds and obstacles.

In the hands of the American Farmer, lies the responsibility of peak food and fibre production for the duration. It's a BIG JOB, but acres planned with sound VICTORY STRATEGY will bring the HARVEST HOME. We are urging the planting of crops that best fit into a "fighting" world—crops for food, for clothing, for shelter, for ammunition. We are urging the American Farmer to conserve the fertility of his soil for more war crops to come—to draft into service every MM machine that still has working hours in it—to scrap and sell every machine no longer usable.

For 77 years Minneapolis-Moline has been mechanizing the American farm for BETTER LIVING. To help preserve this American Way of Life every piece of MM Machinery should be put into the best possible condition. The nearest MM dealer should be asked to make a thorough inspection of all MM Tractors and Machines on the farm—then the necessary Genuine MM repair parts should be ordered EARLY. As we build up stocks of food we are strengthening hopes for peace—for VICTORY—for a HAPPY HARVEST HOME once more!

*Invest in Defense Savings Bonds and Stamps—  
"Keep 'em flying"*

W. C. MACFARLANE, '04  
President

**MINNEAPOLIS-MOLINE**  
POWER IMPLEMENT COMPANY MINNEAPOLIS, MINNESOTA, U.S.A.

## CLASS OF 1911

A. P. Spooner, Correspondent  
1811 Sycamore St., Bethlehem, Pa.

Thanks to information from E. J. Burnell 1912 and our own Walter Schall, we want to congratulate "Dan" Daniel M. Flick, who early this year was elected Vice President and General Manager of Armour & Co. in full charge of production and sales of all their auxiliary plants manufacturing soap, fatty acid, glycerine, glue, curled hair, sandpaper, ammonia and Luxor, Ltd. cosmetics.

Dan left Wm. Garrigue Co. in July, 1916 and entered the employ of Armour & Co. in July, 1916 as Superintendent of the Glycerine and Soap Works. He held this position for 13 years at which time he was made General Superintendent. In 1939 he was made General Manager.

Dan is also quite prominent in other fields of activity. He is an outstanding golfer and is on the Board of Directors of the Midlothian Country Club.

Dan is also a gentleman farmer and operates a 400-acre farm as well as a dairy near Kalamazoo, Michigan. Dan and his family are socially prominent and maintain a stable of horses. Dan is recognized as one of the most able and prominent Lehigh men in Chicago.

## CLASS OF 1913

E. F. Weaver, Correspondent  
c/o P. P. & L. Co.

Cedar and Buttonwood Sts., Hazleton, Pa.

If any of you readers don't believe that time flies, I wish you would try writing a news item for this column once a month. Perhaps it is the National Emergency that makes everything, including time, move so swiftly, which reminds me—I wonder how many members of the Class of 1913 are back in the Army, Navy or Marines. 1913 was well represented in World War No. 1 and I am sure that World War No. 2 will require the services of some of our members, but here is hoping that more of us will be generals this time.

The one high spot in this Class Correspondent job is the fact that I can always count

on "Sunny" Edwards for a line or two and since he has been so aggressively head of the Council of Class Agents, I can count on him for even more dope of last minute interest and here's his note for this month.

"This is to acknowledge my appreciation for the cooperation of the following District Agents who lost no time in dispatching their first assignments of the current year—Hirshberg, DuTot, Tice, Gambrill, Watson, Quincy, Price, Mart, Long and Dynan.

"At the first midyear conference of the Council of Lehigh Class Agents held in Lamberton Hall, Saturday night, the President who happens to be a 1913 man, took a ribbing from Schrempel of '14 and Bodine, '15 who made the nefarious claim that in matters pertaining to Lehigh we, 1913!! always did drag after their several clans. Well, I happen to be holding the records and shall keep them under lock and key until the figures come out in public and my guess is that we'll show 'em this year. In the mean time, they'll just have to get and keep busy."

## CLASS OF 1914

John O. Liebig, Guest Correspondent  
41 N. 5th St., Allentown, Pa.

We have received notice that "Bart" Gemmel has moved to 1100 Kelping Road, Elizabeth, N. J. Also Capt. E. C. Seibert is now located at Naval Air Station, P. O. Box 3944, Santurce, Puerto Rico.

Colonel H. D. Jay can be found with the U. S. A. War Dept., Headquarters, IV Army Corps, Jacksonville, Florida; his home address is Garibaldi Ave., Venetia, Jacksonville, Florida.

That is all. No news is good news, but have a heart fellows.

## CLASS OF 1916

F. L. Horine, Correspondent  
149 E. 6th Ave., Roselle, N. J.

The Class of 1916 will learn little of its members' activities from reading this brief column. Your correspondent is not anti-social. He just doesn't get around much and is extra busy

besides. Now and then he runs into bare spots on the Lehigh activity calendar which, like the weather, can not be helped.

Still, we have one military note. In the last edition we announced Miles Kresge's promotion. Since then that particular Colonel has been transferred from Washington, D. C. to Picatinny Arsenal near Dover, N. J. Dover way may be smaller than Washington, but it's going to be a lot cooler there next summer.

It's getting tiresome to hear that crack about, "It's going to be a lot worse, before it will be better", but I'm beginning to believe that prophecy really does apply to the Class Correspondent industry. Witness the almost universal supplication of my fellow writers for news. So brethren, reach for a postcard every time you become the owner of a bit of news which you would spontaneously tell me if you met me on the street.

## CLASS OF 1917

W. H. Carter, Correspondent  
735 Huntingdon Avenue, Plainfield, N. J.

The items from the Alumni Office for this month contain the notation that Commander W. W. Gilmore is stationed on the U. S. S. Lexington, and that mail should be addressed as above, c/o Postmaster, San Francisco, Cal. I'll bet he has been getting lots of excitement.

I don't know how many of you fellows remember T. W. Gauglof, listed in last month's BULLETIN as deceased, I remember him quite well, as he sat alongside of me in a number of chemical courses. He was a fine fellow and had gone far in the chemical industry.

Last night (Saturday Feb. 28) I went with Pop Lytle to the Penn State wrestling meet at Bethlehem. Both the freshman and the varsity were "pips", the outcome being in doubt until the heavyweight bouts were decided. The only seventeeners, whom I saw there were "Bob" Cook (from whom you will hear in his capacity as Class Agent), "Red" Jenness, with whom I had no opportunity to talk as I spotted him from the stands in Grace Hall, and I saw "Austie" Tate and Mrs. Tate at the Hotel Bethlehem. "Austie" has shed about fifty pounds and is in good shape. His present address is A. A. Tate, N. Y. A., Mauch Chunk, Pa.

Loosen up! Send me some news.

## CLASS OF 1918

J. E. Buchanan, Jr., Correspondent  
939 Barnum Ave., Bridgeport, Conn.

Eddie Mooers was supposed to be guest correspondent this month, but he was just too damn busy. I know he was, because so am I and so are most of the rest of you, I guess. In view of the swell job he did last year we'll have to excuse him. Anyway, Eddie wrote me a nice apology, excerpts from which I'll give you. It is almost a pleasure to have Eddie fall down on you when it brings forth such a nice letter.

Dear Andy:

I'm very much of a slacker and you have every right to write me a letter calling me any one of a number of names.

I have no material for you for the April column. I know any excuses to you will have very little force because undoubtedly you are just as busy as I am on the Defense Program. My company is engaged in it 100 percent. As you know, this involves increasing your organization, expanding your plant, spending a good deal of time in some kind of a hotel room in Washington and generally being so occupied that you are lucky to get around to reading what someone else has written in the BULLETIN; far be it from securing information from many friends for the preparation of a column.

I hope the fact that last year I assembled so much information that the Editor of the BULLETIN had to cut out half of it to prevent printing an oversize column, will temper your disappointment in my letting you down this time. As a matter of fact, I don't believe I have met one of our classmates in the last year. Certainly a questionnaire similar to the one I sent out last year asking what the Class of 1918 is doing for National Defense would bring forth a lot more vital information than was produced then. Although most of us, no doubt, just missed having to register, I don't doubt that almost everyone in the Class is

# GET THESE FACTS ABOUT WALL PAINTS

- ★ Are cheap wall paints a "good buy"?
- ★ What's the BOOMERANG they bring?
- ★ Can "hot plaster" be painted safely?

THESE AND MANY OTHER FACTS are given in the concise and interestingly-written paper: "Interior Wall Paints" recently issued by A. G. Lynch, Chief of Wall Finish Research under Dr. J. S. Long in the Devoe & Raynolds Company.

This, again, is information every paint buyer should have. The paper is written from a frank, remarkably detached viewpoint. It gives an "inside" picture of the formation and manufacture of wall paints . . . shows up cheap paint "chiselers."

WRITE TODAY FOR A FREE COPY. Drop a postcard to Ivor Kenway, Adv. Mgr., Devoe & Raynolds Co., 787 First Ave., New York, N.Y., or write one of us and we'll forward your request.



|                     |                       |
|---------------------|-----------------------|
| S. W. Farrell '33   | J. S. Long '13        |
| T. K. Garlan '36    | E. F. O'Callaghan '28 |
| S. R. Goodrich '35  | B. Rabin '32          |
| C. J. Gotthardt '36 | A. E. Rheineck '29    |
| W. H. Hoback '31    | L. K. Scott '29       |
| C. M. Jackson '33   | A. R. Smith '35       |
| E. J. Klinger '33   | F. G. Smith '39       |

**DEVOE & RAYNOLDS CO., Inc.**  
First Avenue and 44th Street  
New York, New York

## The Old Order

# Changeth

ing and closing dates of the three semesters for the next twelve months will be:

|                  |                                        |
|------------------|----------------------------------------|
| Summer semester* | May 21, 1942 to September 9, 1942      |
| Fall semester    | September 17, 1942 to January 13, 1943 |
| Spring semester  | January 21, 1943 to May 12, 1943       |

\*Summer semester divided into two eight-week periods.

Lehigh University is on an all-out twelve-month program for the duration. With three semesters of sixteen weeks each, the University will be in almost continual session during the entire year. The open-

## Yielding Place to a

# New Calendar

|                      |                               |
|----------------------|-------------------------------|
| May 18               | Graduation exercises          |
| May 19, 20           | Registration days             |
| May 21               | Summer Semester classes begin |
| June 6               | Alumni Day                    |
| July 15              | First eight weeks end         |
| July 16              | Second eight weeks begin      |
| July 16              | Summer Session begins         |
| August 26            | Summer Session ends           |
| September 9          | Summer Semester ends          |
| September 10         | Freshman Week begins          |
| September 14, 15, 16 | Registration days             |
| September 17         | Fall Semester classes begin   |

The Accelerated Program accomplishes all of the work of the four-year courses in two and two-thirds years. It is designed to

—contribute to the effective man power of the nation in terms of man-months, especially in those branches so urgently needed in both the mechanized armed forces and in the defense industries.

—provide for young men a means of procuring as much college training as possible prior to the age of military service.

Freshmen may enter the University at the beginning of any semester. Those entering in May 1942 will be eligible for graduation in January 1945 and those entering in September 1942 will be eligible for graduation in May 1945.

Freshmen may also enter at the beginning of the second part of the summer semester (July 16, 1942). Such early entrance will not advance their graduation before May 1945 but will give them an opportunity to finish some courses and acquire credits that will somewhat ease the concentrated work of the accelerated program and permit more flexibility in their curriculum.

*The accelerated program is optional. The normal four-year program will be continued for those students who so desire.*

The regular Summer Session will also be available, from July 16 to August 26, with graduate and undergraduate

courses in Lehigh's three colleges. All courses in the Summer Session and in the Summer Semester are open to women.

### To Lehigh Alumni and Friends:

*Canvass the list of your young friends. Would some of them be Lehigh material — for summer school, the accelerated program or the four-year program? If you know any who are eligible, please send their names and addresses to the Director of Admissions, Lehigh University, Bethlehem, Pennsylvania.*

*"Never before has college training been more needed and more advantageous to its possessor."*

actually engaged in Defense work and that some will be found in the Armed Forces.

-Sincerely,  
Eddie.

I wonder if Eddie's right about that last phrase? Anybody in '18 in uniform?

About the only guys I see these days are associates of DuPont. John MacCarthy is here at Bridgeport in charge of our tool manufacture. It's a whale of a job but John is right in there pitching. Al Baldy Shockley is in our Industrial Engineering Division, covering a bunch of plants, trying to make 'em efficient. He gets to Bridgeport every once in a while and is just as debonair as he was in '18.

Well let's get this damn war out of the way so we can reunion in peace in June '43.

#### CLASS OF 1919

I. P. Gerber, Guest Correspondent  
124 N. Rockburn St., York, Pa.

This, what appears and should be a small effort on the part of any '19er to up-

hold the honor of '19 whenever his turn comes to assume the rotating guest correspondents duty on the BULLETIN class column, just leaves me flat.

It appears that many of us do not, in respect to this column, subscribe to the philosophy of the county judge that "he would sooner be called the son of a female canine than be overlooked." However, as a party to a gigantic conspiracy of Joe Rosenmiller's to ring in Paul Smith, the columnist for February, no valid excuse could be found to refuse diplomatic Joe. Incidentally Paul is back with the York County Lehigh Club and as much interested in Lehigh as any of us, evidenced by his February column.

Paul is connected with the "Printing Plate Craftsman", York, Pa., which is an up and going company and doing a fine job in various types of specialty printing, but strange it seems, he advises that he thrives on depression, when the rest of us, spend money trying to convince the public that we have something better than the other fellow. Have no fear,

however, that Paul will not be able to uphold his own end.

Joe suggests that I write about my own personal doings, which I assume have been very prosaic. After having been a regular visitor to the Campus for Lafayette games and Reunions up to our 15th Reunion in 1934, I have not been back more than once or twice since, for which I have no excuse. Since graduation with the exception of one year, I have been associated with the Home Furniture Co. of York, Pa., which is a sort of family institution, engaged in the manufacture of bed-room furniture along modern designs.

I have a son 15, and a daughter 13½ and at the present am occupied in the capacity of consultant in the building of model aeroplanes which, in many instances, would be sufficient evidence that Lehigh did not have a course in aeronautical engineering in 1919.

Between this, and Air Raid Wardening, first aid classes and the daily grind, we manage to work in an occasional movie and about 7 hours on the hay.

#### CLASS OF 1920

Wm. H. Hunton, Class Agent and  
Guest Correspondent  
154 Sanders Rd., Buffalo, N. Y.

Here are the District Agents for our Class: Edwin Booth, F. C. Macarow, J. M. Straub, A. J. Sugar, L. L. Smoyer, E. L. Forstall, J. C. Ganey, W. H. Schlesman, D. J. Gilmore, R. S. Bellman, Nathan Mathog.

The Council of Class Agents have been actively soliciting funds for the Alumni Fund Student Grants besides Alumni Dues and BULLETIN subscriptions for the past month and more. Because of the pressure of business and my health I did not appoint 1920 District Agents as promptly as I had intended. Our District Agents are working now and I want to ask all members of the Class to respond quickly and to the best of their ability no matter what the amount. Thus far 1920's voluntary response has not been anything to brag about. Send your subscription to Bethlehem today. Remember Pearl Harbor, Lehigh and 1920.

#### CLASS OF 1921

LeRoy F. Christman, Correspondent  
101 Endlich Ave., Mt. Penn, Reading, Pa.

I have a note that J. C. Fretz has been promoted to be a Captain stationed at Fort Knox, Kentucky, where the U. S. A. is holding most of our 22 billions of the 26 billions of gold in the world. That's one rare metal we do not import from Malay so hang on to it Fretzy boy!

Alan Fleischer is connected with a collection agency in Baltimore and in that capacity has a keen scent for lost persons so sends along the following notes about our classmates.

Mack Esterson is utilizing his algebraic knowledge of probability and chance by running a pin ball and music machine business from his home 3404 Bancroft Road, Baltimore. He is married and has two children.

Ben Eisenberg joined the majority in being married and having two children. He lives at 2907 Spring Hill Avenue, Baltimore and owns and operates the Central Car Supply Co., 131 W. Lexington St.

Lou Dembo is department head of a branch of the U. S. Patent Office, Washington, D. C., and may be transferred along with the entire office to Richmond, Va., shortly.

#### CLASS OF 1926

John A. Bissinger, Jr., Correspondent  
927 E. Dorset St., Philadelphia, Pa.

A letter from Frank Kear, and a very interesting one too, arrived recently. Frank has opened a Consulting Engineering Practice. His offices are 822 Albee Bldg. above Keith's Theater in Washington, D. C. The consulting work is concerned primarily with broadcasting station engineering and the design of radio high frequency equipment. Frank said that since he last reported he had added a 3rd member to the family named Frank Gregg III who will be about 9 months old when this appears. Frank, on September 1, 1941, entered on active duty with the Bureau of Aeronautics, United States Navy. He holds the rank of Lieutenant Commander and is concerned with the design and development of new radio devices for the Navy. Frank expects to be rather busy on active duty until the end of the war. I believe he put it mildly as things have been getting worse and that means more work for all of us. Long hard hours, strain, conjuring

## THE BODINE CORPORATION



Factory and office: 3 Mountain Grove St., Bridgeport, Conn.

MANUFACTURERS OF

DIAL FEED AUTOMATIC DRILLING, TAPPING, SCREW INSERTING  
AND SPECIAL MACHINERY

"Let BODINE Help You"

A. V. BODINE, '15  
Pres. and Treas.      A. V. BODINE, JR., '40  
Asst. Sec.

## FOR IMMEDIATE SHIPMENT!

S. A. E. ALLOY STEELS IN STOCK  
AT 7 WAREHOUSES

4615, 2315, 3140, X4340, 6145, 4150, Also  
2330, X4340 and X4140 Aircraft Quality

HY-TEN ALLOY STEELS offer you the benefits of metallurgical improvements before they are incorporated in the S. A. E. standards.

**Wheelock, Lovejoy & Co., Inc.**

130 SIDNEY ST. • CAMBRIDGE, MASS.  
CLEVELAND • CHICAGO • NEWARK • DETROIT  
BUFFALO • CINCINNATI



More aluminum up there, less in new telephones  
- for victory!

Many materials used in telephone making are listed as "critical" for war purposes. Bell Telephone Laboratories and Western Electric have redesigned apparatus and changed manufacturing methods to employ available materials.

Take aluminum. The reduction in its use in a year's telephone output is enough to build 294 combat planes. This program has been replacing critical materials at an annual rate of 7,747,000 pounds. Though it grows steadily more difficult to maintain as shortages increase, the program helps to meet the greatest demand in history for military and civilian communication equipment.

**Western Electric** *... is back of your Bell Telephone service*

our brains until they hurt for ideas, pushing our bodies to the limit. Frank never asked for a soft job and I know he didn't get one this time. The class is wishing you a lot of luck on both jobs.

Will Ronald Stevens, a Delta Tau Delta and Civil Engineer is living at 202 Rapin Ave., Webster Grove, Missouri. Steve works for the Bethlehem Steel Co., 1300 Telephone Bldg., St.

Louis, Mo. We had no record of Steve but he has been living there for quite some time. Steve, how about a line to let us know what you are doing. We are all interested in you and your work.

I see that Gilbert W. Boush is now Capt. Gilbert W. Boush, Ordnance Dept., Wilmington, Del. Chalk up another one of the class all out for defense.

Malcolm K. Gordon, Jr. is now in the Engineering Development of Bendix Aviation Corp., Phila, Pa. He's living at 4606 Wayne Ave. of the same city.

William P. Rankin has moved from the DuPont plant in Wilmington, Del. where he was Industrial Engineer, to the E. I. DuPont de Nemours & Co., Military Explosives, Charlestona, Indiana where he is senior Supervisor. His new residence is 2009 Woodbourne Ave., Louisville, Ky. I guess Bill will be able to give us a first hand report on the Kentucky Derby this spring and also report about Kentucky Whiskey, the beautiful women, and Kentucky Colonels. We desire a very complete report on the women and whiskey.

We have been fortunate in having news for the last two columns and we sincerely hope the gods are gracious and supply us with manna for the next two. Then we hope we have time to write what we do receive. Always worrying about something. We worried when we had no news, now we worry how we are going to write it up if we get some—what a life. Who said the life of a class correspondent was a bed of roses. Well, so long until the next column.

#### CLASS OF 1927

H. O. Nutting, Jr., Correspondent  
20 S. Third St., Lebanon, Pa.

As I cudgel my brains thinking of the group assembled over a pitcher of beer last June in Bethlehem I vaguely recall such faces as George Rupp, Dick Lewis, Herb McCord, Thi Lord and others at which time we made tentative plans for our fifteenth Reunion coming this June. George Rupp was to reserve the

"Estate" in Hellertown, the scene of our tenth party. I presume he has done so, and only because of a bottleneck that has developed for our president. News of same would be forthcoming in this column, however, we can look forward to news soon.

By this time no doubt you are all in possession of a request for support. May I urge each of you to do all you can, please don't overlook this plea, do it now!

I have been notified that Harry Martindale is now residing at 2800 Woodby Rd., N. W., Apt. 317, Washington, D. C. Last month Harry was reported in this column as being with O. P. M. Apologies Harry for not looking you up. I was in Washington last week (ordered there) for a day and as soon as the business was transacted I pulled for the woods of Indiantown Gap, it's a mad house, perhaps any town would be the same after seeing only barracks for the past sixteen months.

These are anxious days with each column. I think "this is the last" because at present in the service, long jumps are being taken. For this reason I would like just a card from you with some stretchy news!

Good luck!

#### CLASS OF 1929

John M. Blackmar, Correspondent  
Tall Oaks Drive, Murray Hill, N. J.

Most of the members of our class were under 35 when the first registration for the peace-time draft took place on October 16, 1940, so most of us are eligible for service. Now we are a nation at war and some of us will be called to the colors by Uncle Sam in spite of our old age! I have not learned of many of our men who have been taken into the armed forces as yet, but let us recall the names of those we know who are serving our country at the moment.

Last year I told you about the two Sigma Phi Epsilon brothers, Captain Todd Neath and "Top Kick" Art McNickle. Another lad who got in early was Irv Schwab. I have just learned that Irving Hoos Schwab, who was practicing principally in obstetrics out in



## John Lloyd & Sons

SALES ENGINEERS

BENNETT BLDG., WILKES-BARRE, PA.  
949 HAMILTON ST., ALLENTOWN, PA.

### THE TRANE COMPANY

Heating, Cooling and Air Conditioning Equipment

### THE MINING SAFETY DEVICE CO.

Nolan Automatic Cagers, Car Dumps, Cages and Mine Car Handling Equipment

### PENNSYLVANIA PUMP & COMPRESSOR COMPANY

Centrifugal Pumps, Air Compressors, Vacuum Pumps

### THERMOID RUBBER COMPANY

Belting, Packing, Hose, Brake Lining

### OIL CITY TANK & BOILER CO.

Heating and Power Boilers, Tanks, Stacks and Breechings

Serving the Mining & Industrial Territory of Northeastern Pennsylvania Since 1920

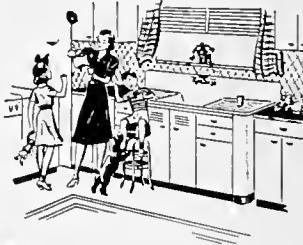


## SIGNS of COMFORT and ACTION

These well-known symbols have deeper significance today. Take Hajoca's Trade Mark for instance, suggesting the finer things for your home—the bathroom of greater comfort—the kitchen of extra refinement—the heating room automatic, fuel-saving and the play center of the home.

Visit our display rooms and you'll be delightfully pleased with Hajoca's Fixtures to insure Beauty and Utility in these rooms. Let us serve you and your Plumbing and Heating Contractor.

The Victory signs above suggest: Buy Defense Bonds.



## HAJOCa CORPORATION

PLUMBING — HEATING EQUIPMENT

INDUSTRIAL — MARINE SUPPLIES

1736 E. Fourth Street

Bethlehem, Pa.

29 CENTERS SERVING THE DEFENSE AND HEALTH NEEDS OF THE ATLANTIC SEABOARD

Colorado Springs, was ordered into active service May 22nd. At that time he was a first lieutenant in the Medical Corps Reserve. You will recall that Irv was a Liberty High boy from Bath, Pa., and that he made Phi Beta Kappa.

That old tennis Hen Hayward, for a number of years an engineer for the War Dept., U. S. Engineers, is busier than ever now-a-days at his office, 120 Wall St., New York City. Henry's residence is in West Chester, 263 Kenisco Rd.

Advice from Joe Conrath, our very active class agent is that E. E. Baker is now stationed at Fort DuPont, Delaware. I think it was Irv Kittinger of '27 of Buffalo who told me that Ned has maintained his keen interest in the army ever since his M. S. & T. days and is now Captain Baker.

#### CLASS OF 1934

*R. F. Herrick, Correspondent  
Lehigh Alumni Office, Bethlehem, Pa.*

This past month of February seems to be rather dull as '34 activities are concerned. But there are two notable exceptions. The month made proud fathers of two of the class's more prominent sons and if it was a dull month for them I certainly miss my guess. First of these to arrive was Reid Hamilton Mertens who chose the patriotic day of February 14 to come into the world. No details are available on Reid's weight, height, or lung power but we do know that his dad is making a success of his career with experimental engineering requirements at the Pratt-Whitney division of United Aircraft in East Hartford, Conn. The three Mertens are now residing at 7 May St., in Hartford.

With typical enthusiasm came the second birth announcement, which I quote:

REGISTER MY SON WILLIAM BERRETT MILLER FOR CLASS OF 1960 BORNED 451 PM MONDAY 23 WEIGHT 6 POUNDS 15 OUNCES HOW AM I DOING — W S MILLER

In behalf of the class I wired Walt congratulations expressing delight at the splendid manner in which he had come through the ordeal. On first glance at all the figures in the telegram I was tempted to wire, "Sell short when it reaches 614." Maybe I shouldn't kid Walt for I seem to recall that Mac McConnell lost 15 pounds when Suzanne was born.

If you'll stand by for a moment I'd like to pin a well-aimed merit badge on a list of very special fellows in the class. These are:

Thomas, Liggett, Niven, Bavington, Lindabury, deMeli, Doubleday, Radding, Robbins, McMeans, Hoyt, Korn, Okuno, Nelson, Yotter, Campbell, Brodhead, Kight, Rust, Hower, Peterson, Wainwright, Coxe, Miller, Goodrich, Lubbers, Taylor, Nolf, Holt, Barrow, Alper, Nickerson, Long, Retzer, Dempsey, McLeod, Metz, Voorhees, Tether, English, Standing, Lloyd, Wait, F. R. Liggett, H. V. Wainright, Ehlers, Howells and Strub.

Why the laurel for these particular brows? Well, these lads are the ones who will put the class of '34 again in top place in the Lehigh records this year. Last year, if you remember, more of our gang contributed to the alumni fund (Gift to Lehigh) than any class between '29 and '38. So far this year we are even lagging behind '33 and '35 but just you who are reading this issue of the BULLETIN could solve that by tonight. By this time you should have received from one of the above district agents a letter which calls on you to make this unrestricted gift to Lehigh and even a buck or two from you fellows who are now BULLETIN subscribers but not contributors to the fund would jump our very sloppy looking percentage not only above '33 and '35 but above last year's total of 17 percent. How about it?

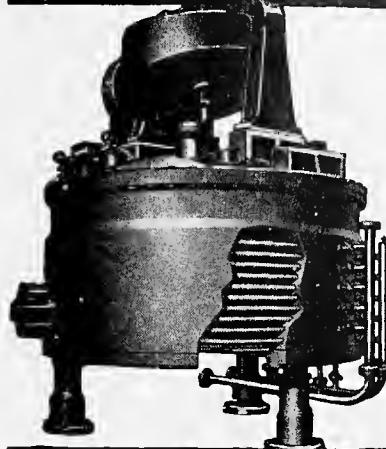
#### CLASS OF 1935

*Curt Bayer, Correspondent  
13 Euclid Ave., Maplewood, N. J.*

#### AWAKE OR A WAKE?

Those of us living in the Metropolitan New York area have been well aware of the glorified wake held at the expiration of New York University football. The event was considered of such magnitude that it even came in for editorial attention in some of the country's leading dailies. Accusations and counter charges made good reading in the press. Every one was wrought up, and I gather highly indignant. It seemed that the sick patient (NYU Football) was left to die for want of new

## HIGH TEMPERATURE PROCESSING



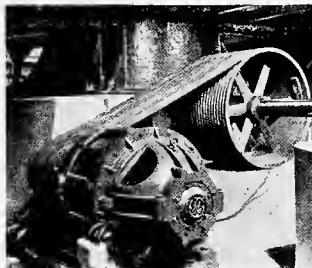
## THERMOCOIL

For chemical processes involving the application of heat from 300 deg. F. to 660 deg. F. in the batch, by means of steam or hot water at required pressures—Thermocoil apparatus is ideally adapted.

The unique patented construction of Thermocoil Vessels—a series of high pressure steel tube coils cast into and integral with the walls of the vessel—places Thermocoil Equipment far in advance of conventional jacketed equipment in flexibility of application and range of usefulness.

BETHLEHEM FOUNDRY & MACHINE CO., BETHLEHEM, PA.

## T. B. WOOD'S SONS CO. Chambersburg, Pa.



V-Belt Drives . . . Flat Belt Drives

Flexible Couplings . . . Clutches

Pulleys . . . Rigid Couplings . . . Bearings

CHAS. O. WOOD, '92

G. H. WOOD, '99



## STRUCTURAL STEEL

FOR

BRIDGES, BUILDINGS, ETC.

ENGINEERS AND  
MANUFACTURERS

CHARLES McGONIGLE, '01 - OTHO POOLE

## POOLE & McCONIGLE

PORLTAND, OREGON

## BRIDGE and BUILDING ERECTION STEEL CONTRACTORS

Incorporated 1911

OTHO POOLE

CHARLES McGONIGLE, '01

## POOLE-DEAN COMPANY

PORLTAND, OREGON



bleed. It was a long ordeal—seven or eight years. Everyone knew what was wrong. It was simple as A B C; to wit:

- a. The Coach was lousy.
- b. The schedule was too tough.
- c. The opposition was professional.

A harmless gent, whom they called coach, casually remarked—that the eleven needed a shot in its collective pants. (He, also being a Doctor, recognized an anemic patient when he saw one.) With that honest assertion, he hit the limelight. He became the victim who was to be hung for dragging NYU football to the depths to which it had fallen. The critics got their reward, and how! NYU abolished football. The ailing patient died, and what a beautiful wake was held to its memory.

We don't want any wake at Lehigh. I don't think we are going to have one. Our eleven has been stricken with the same disease as carried off Old Chicago and, more recently, NYU. But we Lehigh men are made of the same stuff as the Virginians, and the Yales. We know the remedy. We're giving it, and we'll keep on giving it until the Alumni Student's Grants Plan puts Lehigh Football right back on the gridiron where it earned honorable victories in the years gone by. Have you made your 1942 contribution?

#### WHO'S WHO IN BETHLEHEM:

First there is *Nate Silverberg*, who, when he isn't on the campus cheering a Lehigh team, can be found bathting out something or other in the piecework rating department of Bethlehem Steel. I frequently run into Nate at Football games, wrestling meets, etc., and it was on one of those occasions that I picked up the following dope on our classmates, all of whom are working in Bethlehem with the Steel Company.

*Joe Field* is with the metallurgical specification department. Joe as you may not know, has a two-and-a-half year old daughter.

*Charlie Brandt* is in the electrical construction department. Nate says Charlie is raising three half-backs for "our side". With my full-back, center and end, there's going to be one helluva team in 1959 and thereabouts. "Nice promotin', Charlie".

*Bill Davis*, another Benedict, is an experimental engineer in the combustion department.

*Mike Burkhardt*, who was recently married, puts in his working day in the claims department.

*Irwin Smith* is superintendent of No. 4 forge department. Smitty is also married.

*Mike Hader*, I am told, also has a candidate for our football squad. Mike is a fitter in the press forge department.

*Ray Reul* is a recent arrival in Bethlehem, and is a muscle man in the drop forge department.

*Joe Boquel*, an original Bethlehemite, closes the roster of '35 men living in Bethlehem and working for Steel. Joe is in the Accounting department.

*Dr. Paul Budura* completes his internship at St. Luke's this July. Paul anticipates an early call into the armed forces.

*Syd Brisker* works for the OPA in Washington doing statistical drafting. Syd recently enlisted in the Navy for Ensign Training.

#### CLASS OF 1936

*Palmer Langdon, Correspondent  
113 John St., New York City*

I had three items in the mail this month. One was a very cute announcement from Ernie



#### Wherever Metal Products Are Finished

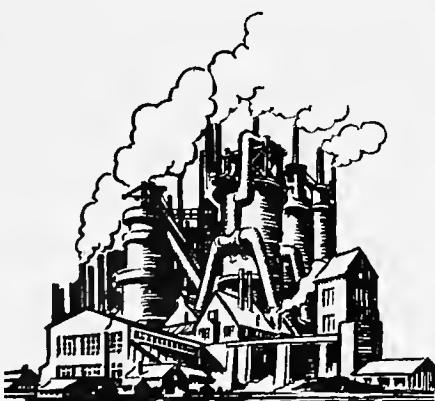
Factory executives look to METAL FINISHING for the latest developments in the preparation, electroplating and coating of all metals as well as for a source of equipment and supplies for these operations.

The oldest paper in its field, the authority, the only one with all A.B.C. mail secured circulation and A.P.P. membership.

For information write:  
PALMER H. LANGDON '36



**METAL FINISHING** ABP  
116 JOHN ST., NEW YORK, N.Y.



#### INDUSTRIAL PLANTS

- PULP AND PAPER MILLS
- COMMERCIAL BUILDINGS
- CONCRETE BINS AND SILOS
- COMPLETE POWER PLANTS
- BRICK AND CONCRETE CHIMNEYS

# RUST

*A Name That Counts in*  
**ENGINEERING**  
*for Design . Construction . Supervision*

These Lehigh men are ready to serve your inquiries. Please address them through The Rust Engineering Company, Clark Building, Pittsburgh, Penna.

A. G. Rohrs, '32  
R. H. Wagoner, '36  
S. M. Rust, Jr., '34

W. F. Rust, Jr., '36  
G. M. Rust, '31  
C. G. Thornburgh, '09



**THE RUST ENGINEERING CO.-PITTSBURGH**

NEW YORK

WASHINGTON

BIRMINGHAM

CHICAGO

and Emily Thorn of 1608 N. Broom St., Wilmington, Del. announcing the arrival of a permanent guest, Geoffrey. Ernie is with Atlas Powder Co.

Another was a letter from Bob Perrine which appears below. It certainly indicates the shifting '36 men are subject to at the present time and it was mighty good of you to write, Bob. Dear Lang:

It seems that I have been out of touch with the old Alma Mater for a long time; ever since I ducked out of Pittsburgh and the Dravo Lehigh bunch. Since then I have been spending most of my time with Carrier Corporation until I decided to take up the gentle art of flying with the Army Air Corps.

They put me thru as a Flying Cadet and forgot that I had ever held a 1st Lieutenancy in the Infantry and turned me out with a 2nd Lt. commission. Since that eventful day last July, I have been the higher ups have seen fit to use me as an Advanced School instructor of American cadets, a flying civil engineer, a Basic School instructor of Chinese cadets, and finally, what I now am, Sub Depot Engineering Officer at the above field, a few odd miles southeast of Phoenix in the Valley of the Sun.

When you idly bump into any of our mutual acquaintances, kindly transmit my most sincere regards.

Johnny Kornet writes that he has just built a house at 1217 Stadley Ave., Bethlehem, Pa. This is in the Fountain Hill section.

Achilles N. Sakellarides is an information analyst with the office of the Coordinator of Information, Washington, D. C. He lives at 337 17 St., N. W.

#### CLASS OF 1939

*Henry T. Shick Heckman, Correspondent  
Bentleyville Road, Chagrin Falls, Ohio*

Times are indeed hard. The other weekend we took a run to Pittsburgh. After visiting the Chatterbox, Nixon Cafe and the Roosevelt and failing to find any Lehigh men present, we began to realize what serious inroads matrimony and the draft were making. Never in the good old days could you do the Pittsburgh high spots without running into some stalwart from old South Mountain.

#### WITH THE ARMED FORCES

Yours truly and date were dashing into the Rex Arms t'other nite when we bumped into Bill Bruning. Bill, in army "pinks", had just packed away the last of his civilian clothes and put them tenderly away for the duration. With orders to leave the next day from Camp Wolters, Texas, he was on his way to a super farewell party. In early March, Lt. W. E. Bruning could still be reached by addressing Company D, 57th Battalion, Camp Wolters.

U. S. Steel received a blow when the army called Lt. P. K. Nicholas. In your correspondent's opinion (obviously prejudiced), "Big Steel" needs all the Lehigh men it can get. Last definite word on Nick was received in February. Then he could be reached at Co. I, 2nd Training Regt., Harmony Church Area, Fort Benning, Ga. Judging from the address, one might be led to believe Nick is training to sing in the choir.

Last issue we mentioned John McNabb's receiving his commission. In February he was flying with the 31st Observation Squadron, San Bernardino, Calif.

Through the grapevine we learn that Walt Wells is a Lieutenant with the First Marine Brigade, Iceland. He can be reached c/o Postmaster, New York, N. Y. Looks as if Walt and McQuail are marooned on the same chunk of ice.

Having mentioned the Army and Marines, we come to that true blue branch of the service. You guessed it! Holding down the fighting front for the Navy this month is Ensign Mark Wertz of the U.S.N.R. Mark's official address is "Somewhere in the Pacific" so we'd suggest you write him at home: 229 Overlook Ave., Belleville, N. J.

Thumbing through the February 2 issue of LIFE, some of you may have noticed an Ensign who looked remarkably like Willet Weeks. The resemblance is less remarkable when one learns that it was actually Weeks in the picture. It seems that the ex-Passaic newspaperman took an officer's training course last summer. After receiving his commission he was assigned to public relations work. Now he spends his time going from place to place with photographers in order to make certain that all "shots" show the Navy in a satisfactory

light. Ensign Weeks present address is Headquarters, 3rd Naval District, 90 Church St., New York City.

#### CLASS OF 1940

*Alfred T. Cox, Correspondent  
Co. I, 2nd Training Regt., Fort Benning, Ga.*

The job of keeping up with the Class of '40 was getting to be too tough for a civilian, so when the New Year rolled around, your correspondent went on active duty hoping to bump into a few of the boys during his travels. At the present writing he is at the Infantry School at Fort Benning, and has six other Lehigh men in his class, as well as having met ten or twelve others around the Post.

Mil Roberts and Reds Thomas are here in my class. Both of them were called to active duty about the same time as I; Mil from Detroit, where he has a Sales Engineer job with the McKenna Metals Co., and Reds from Carnegie-Illinois at Donora. A couple of weeks ago, Reds was married here on the Post to Miss Generosa McIntyre. Also here at the School are Maynard Diamond, John Cochran, and Bob Miller—all three happily married—and Sam Cox still a bachelor. Col. Brian, our M. S. T. prof. and Co. Comdr. at Fort Meade summer camp, is also down here on duty with the 24th Inf.

Several clippings announcing engagements of class-mates have been forwarded to me, and I will list them quickly.

The engagement of Al Bodine to Miss Betty Jane Ritch, of Greenwich, Conn. Al is working for his dad according to last reports. Also, Dick Kelley's engagement to Miss Jeanne Hope Adams, of Westfield, N. J. Dick is with the Ordnance Dept. at Morris Field, Florida. Art Wetherbee's engagement to Miss Jean B. Brown, of Eastview, N. Y. Art is with the Pratt-Whitney Aircraft at Hartford, Conn. And lastly, Charles Duncan Brown's engagement to Miss Elizabeth Cookoman, of Elizabeth, N. J. Congratulations and best wishes to all of these fellows and to all of those engagements or weddings I'm not aware of.

That's all the news I have for now. I'll try to get settled and dig up some news for next month. Drop me a line anytime, and if you're not sure of my Army Address, send it to 217 East 82nd St., New York City.

#### CLASS OF 1941

*Donald R. Schoen, Correspondent  
1 Hudson Ave., Mount Vernon, New York*

Although I'm still a civilian and still living at home, getting this column out in time to meet the BULLETIN deadlines seems to have been a problem—with the result that last month's '41 news was written by the Alumni Office. If some of you fellows would like the opportunity of writing guest columns, let me know and I'll be only too glad to share the privilege.

#### NEWS FLASH

By this time it's undoubtedly not news to most of you, but at any rate I think it deserves a word here: Lehigh University's Library at last has at least one table in its reading room which is adequately lighted, and the Class of 1941 should get a lion's share of the credit, having fostered this innovation by financing it.

#### PREXY'S PEN

Since I wrote the last column, I've received letters or cards from six or eight members of the class, and one from Al Lee tops the list. He writes:

"Hello, stranger, it's been quite awhile since June 9 . . . Have you heard from Gus Riemondy? I had a couple of letters and cards from him during the fall. Just before Christmas he dropped me a card that he was sailing from San Francisco. Previously he had written that his family expected a 150 per cent increase this spring! That certainly is a tough proposition."

"Since the middle of October I've been stationed in the Philadelphia Ordnance District with HQ in the Mitten Building, Phila. It certainly is a lucky break for me—I live at home and go back and forth to the office daily, peace-time style. However, it's too good to last; I'm afraid the younger officers will be moved out into more active duty as the war becomes desperate. At present this office is a Lehigh Alumni Club—in our class alone are Hodson, Felch, Feigley, Thomas, McNamara, Vogelberg, and myself."

#### MISSING PERSONS

As far as I'm concerned a great many of you

# DEFENSE OPPORTUNITIES

## THE WAR DEPARTMENT

needs

Trained Engineers

for

Airport Construction

For Information

Write

District Engineer

War Department

960 Ellicott Square Bldg.

Buffalo, New York

## ENGINEERS WANTED

For research and development in the Bureau of Aeronautics, Washington, D. C. Write c/o Garrett B. Linderman, '14, and explain Lehigh connection in application.

## RADIO OPENINGS

The position of radio inspector in the Federal Communication Commission has been added to those jobs in the field of radio for which the U. S. Civil Service Commission is seeking qualified persons. Salaries range from \$2,000 to \$2,600 a year. The maximum age is 45 years. Applications for the written test on radio and electrical engineering must be filed with the Commission's Washington, D. C., office not later than April 21, 1942.

For assistant positions (\$2,000 a year), completion of a 4-year college course in electrical or communication engineering or physics is prescribed. Provision is made for the substitution of radio engineering experience for this requirement. To qualify for the \$2,600 positions, applicants must have had in addition at least 1 year of appropriate radio engineering or teaching experience, or 1 year of graduate study in communication engineering. All applicants must be able to transmit and receive messages in the International Morse Code.

boys are missing persons. I have the addresses but nothing else of a number more, but you'd hardly want to fill the column with a list of addresses. Let's have a few more letters; it still costs only three cents for domestic postage and five cents for foreign. We're all eager to hear in detail what you're doing, or if you're fighting the Japs, and can't tell anything, we'd like at least to know that.

## BIRTHS

### CLASS OF 1926

To Mr. and Mrs. Frederick Mercur a daughter, Pape Elizabeth, born March 10.

### CLASS OF 1934

To Mr. and Mrs. Walter Miller a son, William Barrett, born February 23.

To Mr. and Mrs. Fred M. Mertens a son, Reid Hamilton, born February 14.

## MARRIAGES

### CLASS OF 1934

Lewis Hay Eichelberger, Jr. married Miss Dorothy Elizabeth Gallahan, March 6, at Baltimore, Md.

### CLASS OF 1935

Ira William Sheppard married Miss Virginia Rumsey, March 7, at Bloomfield, New Jersey.

### CLASS OF 1937

John Deetz Houck married Miss Elizabeth Merkle Santee in March, at Bethlehem, Pa.

## PROFESSIONAL CARDS

State Mutual Life Assurance Company of Worcester, Mass.

Inc. 1844

Presented by

**ARTHUR H. LOUX, '35**  
744 Broad Street

Newark, N. J.

Market 3-2717

**870 Union Commerce Bldg.**

Cleveland, Ohio

**KWIS, HUDSON & KENT**

PATENT LAWYERS

B. M. Kent, '04

**PIERCE MANAGEMENT**

Engineering Consultants and Mine Managers  
Anthracite — COAL — Bituminous

A successful background in the practical  
solution of difficult engineering and  
management problems.

**J. H. Pierce, '10**

Seranton Electric Bldg. Scranton, Pa.

New York City 51 East 42nd St.

**VISSCHER & BURLEY**  
Architects

J. L. Burley, '94

Rezin Davis Svend B. Sommer

**CHARLES ENZIAN . . . 1901**

Consulting Mining Engineer and Geologist  
Miners National Bank Building  
Wilkes-Barre, Pa. Hazleton, Pa.

Forty years corporation, state and federal  
experience in Anthracite and Bituminous coal  
fields of United States and Canada.

Mine Roof and Surface Support  
Studies and Reports

Development, Operation, Appraisal, Safety and

### CLASS OF 1938

George C. Grow, Jr. married Miss Ruth Anna Eber, February 17.

### CLASS OF 1939

Lt. John Elliott Dorer married Miss Elizabeth Stevens, March 7, at Albany, Ga.

### CLASS OF 1941

George Leslie Griffith, Jr. married Miss Angelyn Butterfield, March 6, at Packer Memorial Church, Bethlehem, Pa.

Steven D. Smoke married Miss Rose Teresa Kisslinger, February 10, at Bethlehem, Pa.

Jack R. Dennis married Miss Orella C. Mann, February 14, at Pen Argyl, Pa.

Richard Stoliker Davis, Jr. married Miss Marie Helen Weissenborn, March 7, at Englewood, New Jersey.

## IN MEMORIAM

### A. G. Rau '88

Dr. Albert G. Rau, dean emeritus of Moravian College, died February 23. He was in his 74th year and had been in ill health for the past three years.

Dr. Rau graduated from Lehigh with a B.S. degree in 1888, and in 1900 he received his Ph.D. degree from Moravian College. Both degrees were based on Medieval History. In 1929 Muhlenberg honored him with the degree of Litt.D. In 1934 he was honored by Moravian College in commemoration of 25 years of distinguished service as dean and professor with the honorary degree of LL.B.

Dean Rau was a fellow of the American Association for the Advancement of Science, American Society of Political and Social Science, American Mathematical Association, and numerous other historical societies. As an undergraduate he was elected to Lehigh Chapter of the Phi Beta Kappa, and socially was a member of the Phi Gamma Delta Fraternity.

Surviving are his wife and son.

### E. H. Coxe '91

We have had news recently that Edward H. Coxe died of heart failure on February 27.

Mr. Coxe graduated from Lehigh University in 1891 with a C.E. and was a member of the Chi Phi Fraternity.

Surviving are his four sons.

### R. J. Yost '92

Dr. Robert J. Yost, medical inspector for the Bethlehem schools for 27 years, died February 20, at the age of 71.

Surviving are his wife, a son and a daughter.

### George Stern '93

George Stern died March 4 at Frostburg, Maryland, after a short period of illness.

A native of Frostburg, Mr. Stern graduated from Lehigh University in 1891 and completed a course later at Harvard Law School. After graduation he returned to Frostburg and engaged in the mercantile business. He was also engaged in the coal business for several years at Sunnyside. In recent years he devoted most of his time to the finance and real estate business.

### T. J. Bray '19

Thomas J. Bray, Jr. of Sewickley, Pa., died June 27, 1941.

Surviving is his wife.

### J. R. Rush '40

Second Lieutenant John Bradley Rush, 25, formerly of Sewickley, was killed Saturday, February 14 when the Army bomber he was piloting crashed near Natat, Brazil, according to word received by his family.

Lieutenant Rush was graduated from Lehigh University in 1940 and was a member of the Sigma Phi fraternity.

### David Kemper '41

The sad news of the death of David Kemper reached us recently. He died of heart trouble at Baltimore, Maryland.

Due to poor health, Mr. Kemper left the University in 1940 and continued his studies at Johns Hopkins. While in school, he was housetreasurer of Tau Delta Fraternity, and a representative of Inter-Fraternity Council.

## DIRECTORY OF

## LEHIGH ALUMNI CLUBS

**Allentown**, W. W. York, '24, (P); C. V. Converse, '28, (S), 143 N. 28th St.

**Bethlehem**, (Home Club) John Marshall, '30, (P); J. K. Conneen, '30, (S), 813 Pembroke Road, Bethlehem.

**Boston**, D. C. Buell, Jr., '26, (P).

**Central New York**, Gordon Kent, '07, (S) The Kent Co., Rome, N. Y.

**Central Penna.**, D. M. Horner, '28, (P); F. A. Pennington, '36, (S), 236 Liberty St., Harrisburg, Pa.

**Central Jersey**, J. H. Pennington, '97, (P); C. Brewster Grace, '24, (S), W. State St., Trenton, N. J.

**Chicago**, W. O. Gairns, '26, (P); E. K. Collison, '07, (S), George A. Fuller Co., 111 W. Washington St.

**Chinn**, T. C. Yen, '01, (P); A. T. L. Yap, '19, (S), 16 Burkhill Rd., Shanghai, China.

**Cincinnati**, B. E. Keifer, '18, (P); C. C. Sherrill, '35, (S), Box 111, Glendale, Ohio.

**Delaware**, W. M. Metten, '25, (P); G. H. Cross, Jr., '30, (S), 2211 Boulevard, Wilmington, Del.

**Detroit**, R. A. Lodge, '33, (P); E. E. Krack, '36, (S), 10386 Crocusawn Ave.

**Maryland**, W. F. Perkins, '13, (P); P. J. Flanigan, Jr., '33, (S), 2405 Loch Raven Rd., Baltimore, Md.

**Monmouth County, Jersey**, C. A. Wolbach, (Chm); Carlton M. Roberts, '25, (S), 1568 Grand Ave., Asbury Park, N. J.

**New York**, F. E. Portz, '17, (P); Wm. McKinley, '19, (S), 414 E. 52nd St.

**Northeast Penna.**, F. S. Lubrecht, '12, (P); E. H. Poggi, Jr., '33, (S), Howell & Jones, Inc., 57 Bennett Bldg., Wilkes-Barre, Pa.

**Northern New Jersey**, Larry Kingham, '25, (P); A. H. Loux, '35, (S), 917 Natl. Newark Bldg., 744 Broad St., Newark, N. J.

**Northern Calif.**, R. H. Tucker, '79, (P), 1525 Waverly St., Palo Alto, Calif.

**Northern N. Y.**, N. Y. Coxe, '34, (P); E. S. Gallagher, '36, (S), 1134 Glenwood Blvd., Schenectady, N. Y.

**Northern Ohio**, F. F. Schuhle, '26, (P); H. B. Osborn, Jr., '32, (S), Ohio Crankshaft Co., 6600 Clement Ave., Cleveland, Ohio.

**Philadelphia**, T. C. O'Neill, '19, (P); Moriz Bernstein, '96, (S), 2130 Estaugh St.

**Pittsburgh**, W. S. Davis, Jr., '24, (P); H. E. Lore, '35, (S), 311 Chestnut St., Sewickley, Pa.

**Southern Anthracite**, H. R. Randall, '23, (P), Rhoads Contracting Co., Ashland, Pa.

**Southern New England**, C. F. Townsend, '95, (P); L. H. Van Billiard, '23, (S), Newtown, Conn.

**Southeast Penna.**, H. J. Kaufmann, '10, (P); George Potts, '23, (S), 536 Court St., Reading, Pa.

**Southern Calif.**, D. H. Kirkpatrick, '17, (P); E. C. Hummel, '17, (S), 208 S. Orange Drive, Los Angeles, Calif.

**Washington, D. C.**, F. G. Macarow, '20, (P); D. M. Wight, '23, (S), Washington Loan & Trust Bldg.

**Western New York**, F. H. Hesselschwerdt, '19, (P); A. P. Spooner, '34, East Aurora Advertiser, East Aurora, N. Y.

**York, Pa.**, J. G. Bergdoll, '19, (P); W. H. Shank, '37, (S), R. D. No. 5.

**Youngstown, O.**, J. S. Stanier, '23, (P); J. A. Waterman, '30, (S), P. O. Box 185, Poland, Ohio.

SAFE ACCURATE

DEPENDABLE

# SHAW PREFABRICATED PIPING

Geared for the fast production and erection of every type of **SAFE, ACCURATE, DEPENDABLE** Piping for Power & Industrial plants, the Benjamin F. Shaw Company, in addition, offers Operating and Consulting Engineers the benefit of 49 years' experience in this specialized field. We invite your inquiry.

**BENJ.F.  
SHAW  
COMPANY  
SINCE 1893  
WILMINGTON, DEL.**

STEEL FOR EVERY PURPOSE

